Air Conditioning Technical Data

RXM-R9



EEDEN23

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RXM-R9

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1 Features

1 - 1 RXM-R9

› 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

2 - 1 Specifications

Technical Specifications					RXM25R9	RXM35R9	RXM20R9
Casing	Colour					Ivory white	
Dimensions	Unit	Height		mm		552	
		Width		mm		840	
		Depth		mm		350	
	Packed unit	Height		mm		612	
		Width		mm		906	
		Depth		mm		402	
Weight	Unit			kg		32	
	Packed unit			kg		34	
Heat exchanger	Length			mm		805	
	Rows	Quantity				2	
	Fin pitch			mm		1.4	
	Stages	Quantity				24	
	Passes	Quantity				3.0	
	Tube type					ø7 Hi-XD	
	Fin	Type				Waffle fin (PE)	
Fan	Type					Propeller fan	
	Air flow rate	Cooling	Nom.	m^3/min	28.3	36.0	
				cfm	999	1,271	
		Heating	Nom.	m^3/min		28.3	
				cfm		999	
Fan motor	Model					DFC05A3VA	
	Output			W		50	
	Speed	Cooling	High	rpm	860	920	
			Nom.	rpm	800	860	800
			Low	rpm		400	
		Heating	High	rpm		860	
			Nom.	rpm		800	
			Low	rpm		400	
Compressor	Model					1YC25GXD#D	
	Oil Amount			cm^3		375	
	Type					Hermetically sealed swing compressor	
	Output			W		800	
	Oil Type					FW68DA	
Operation range	Cooling	Ambient	Min.	°CDB		-10	
			Max.	°CDB		50 (1) / 46 (2)	
Operation range	Heating	Ambient	Min.	°CWB		-15	
				°CDB		-20 (1) / -15 (2)	
			Max.	°CWB		18	
				°CDB		24	
Sound power level	Cooling	Max		dBA	60	61	60
		Night quiet mode		dBA		57	
		Tonal adjustment		dBA		0	
	Heating	Max		dBA	60	61	60
		Nom.		dBA	59.0	61.0	59.0
		Night quiet mode		dBA		57	
		Tonal adjustment		dBA		0	
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.		dBA	59.0	60.0	59.0
		Night quiet mode		dBA		55.0	
		Tonal adjustment		dBA		0	
	Heating	Max.		dBA	59.0	60.0	59.0
		Night quiet mode		dBA		55.0	
		Tonal adjustment		dBA		0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	46.0
	Heating	Nom.		dBA	47.0	49.0	47.0
Refrigerant	Type					R-32	
	Charge			kg		0.76	
	Control					Expansion valve	
	GWP					675	
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.50	
	Drain	OD		mm		18	
	Piping length	OU - IU	Max.	m		20	
		System	Chargeless	m		10	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		15	
	Heat insulation					Both liquid and gas pipes	
Capacity control	Method					Variable (inverter)	

2 Specifications

2 - 1 Specifications

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;

Electrical Specifications				RXM25R9	RXM35R9	RXM20R9
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		10

(1)Only possible in combination with ATXM*N2V1B, FTXM*N2V1B, ATXM*R2V1B, ATXM*R5V1B, FTXM*R2V1B, FTXM*R5V1B |
(2)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 |
Contains fluorinated greenhouse gases |
See separate drawing for operation range |
See separate drawings for electrical data

2 Specifications

2 - 1 Specifications

Standard accessories: General safety precautions;Quantity: 1;

Technical specifications				FCAG35B + RXM35R9
Cooling capacity	Nom.		kW	3.50
	Nom.		Btu/h	11,900
	Nom.		kcal/h	3,009
Heating capacity	Nom.		kW	4.20
	Nom.		Btu/h	14,300
	Nom.		kcal/h	3,611
Power input	Cooling	Nom.	kW	0.94
	Heating	Nom.	kW	1.11
Nominal efficiency	EER			3.72
	COP			3.77
	Annual energy consumption		kWh	470
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.50
	SEER			6.35
	Annual energy consumption		kWh/a	193
Space heating (Average climate)	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.32
	SCOP/A			4.90
	SCOPnet/A			4.96
	Pdh Heating capacity at -10°		kW	2.60
	Annual energy consumption		kWh/a	948
	Required back up heating cap at design conditions		kW	0.72
Space heating (Warm climate)	Energy efficiency class			A+++
	Capacity	Pdesignh	kW	1.79
	SCOP			6.27
	SCOPnet			6.36
	Annual energy consumption		kWh/a	400
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.50
		EERd		3.72
		Power input	kW	0.94
	B Condition (30°C - 27/19)	Pdc	kW	2.60
		EERd		5.33
		Power input	kW	0.49
Space cooling	C Condition (25°C - 27/19)	Pdc	kW	1.68
		EERd		9.52
		Power input	kW	0.18
	D Condition (20°C - 27/19)	Pdc	kW	1.49
		EERd		12.25
		Power input	kW	0.12

2 Specifications

2 - 1 Specifications

Technical specifications					FCAG35B + RXM35R9
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.04
		COPd (declared COP)			2.50
		Power input		kW	0.82
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	2.94
		COPd (declared COP)			3.10
		Power input		kW	0.95
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.94
		COPd (declared COP)			3.10
		Power input		kW	0.95
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.79
		COPd (declared COP)			4.98
		Power input		kW	0.36
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.15
		COPd (declared COP)			6.20
		Power input		kW	0.19
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.24
		COPd (declared COP)			7.88
		Power input		kW	0.16
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
		Heating	POFF	kW	0.014
	Standby mode	Cooling	PSB	kW	0.014
		Heating	PSB	kW	0.014
	Thermo-stat-off mode	Cooling	PTO	kW	0.007
		Heating	PTO	kW	0.007
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.04
		COPd (declared COP)			2.50
Space heating (Warm climate)	TOL	Power input		kW	0.82
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.79
		COPd (declared COP)			4.98
		Power input		kW	0.36
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.79
		COPd (declared COP)			4.98
		Power input		kW	0.36
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.15
		COPd (declared COP)			6.20
		Power input		kW	0.19
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.24
		COPd (declared COP)			7.88
		Power input		kW	0.16
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
	Sound power level indoor	Cooling	Nom.	dBA	49
	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 + RXM35R9
Cooling capacity	Nom.	kW	3.40
	Nom.	Btu/h	11,600
	Nom.	kcal/h	2,923

2 Specifications

2 - 1 Specifications

Technical specifications					FBA35A9 + RXM35R9
Heating capacity	Nom.			kW	4.00
	Nom.			Btu/h	13,600
	Nom.			kcal/h	3,439
Power input	Cooling	Nom.		kW	0.85
	Heating	Nom.		kW	1.00
Nominal efficiency	EER				4.02
	COP				4.02
	Annual energy consumption			kWh	423
	Energy labeling Directive	Cooling			A
		Heating			A
Space cooling	Energy efficiency class				A++
	Capacity	Pdesign		kW	3.40
	SEER				6.23
	Annual energy consumption			kWh/a	191
Space heating (Average climate)	Energy efficiency class				A+
	Capacity	Pdesign		kW	2.90
	SCOP/A				4.07
	SCOPnet/A				4.11
	Pdh Heating capacity at -10°			kW	2.41
	Annual energy consumption			kWh/a	996
	Required back up heating cap at design conditions			kW	0.49
Space heating (Warm climate)	Energy efficiency class				A+++
	Capacity	Pdesignh		kW	1.57
	SCOP				5.12
	SCOPnet				5.19
	Annual energy consumption			kWh/a	429
	Required back up heating cap at design conditions			kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	3.40
		EERd			4.02
		Power input		kW	0.85
	B Condition (30°C - 27/19)	Pdc		kW	2.51
		EERd			5.54
		Power input		kW	0.45
Space cooling	C Condition (25°C - 27/19)	Pdc		kW	1.73
		EERd			8.13
		Power input		kW	0.21
	D Condition (20°C - 27/19)	Pdc		kW	1.61
		EERd			9.06
		Power input		kW	0.18
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.15
		COPd (declared COP)			2.37
		Power input		kW	0.91
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.73
		Power input		kW	0.94
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.73
		Power input		kW	0.94
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.03
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			5.18
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.38
		Power input		kW	0.19
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000
		Heating	PCK	kW	0.000
	Off mode	Cooling	POFF	kW	0.007
		Heating	POFF	kW	0.007
	Standby mode	Cooling	PSB	kW	0.007
		Heating	PSB	kW	0.007
	Thermo-stat-off mode	Cooling	PTO	kW	0.007
		Heating	PTO	kW	0.007
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.15
		COPd (declared COP)			2.37

2 Specifications

2 - 1 Specifications

Technical specifications					FBA35A9 + RXM35R9
Space heating (Warm climate)	TOL	Power input		kW	0.91
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.03
		Power input		kW	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.03
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			5.18
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.38
		Power input		kW	0.19
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
	Sound power level indoor	Cooling	Nom.	dBA	60
	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				FDXM25F9 + RXM25R9	FDXM35F9 + RXM35R9
Cooling capacity	Min.		kW	1.30	1.40
	Min.		Btu/h	4,435	4,800
	Min.		kcal/h	1,117	1,204
	Nom.		kW	2.40	3.40
	Nom.		Btu/h	8,189	11,600
	Nom.		kcal/h	2,064	2,923
	Max.		kW	3.00	3.80
	Max.		Btu/h	10,236	13,000
	Max.		kcal/h	2,579	3,267
Heating capacity	Min.		kW	1.30	1.40
	Min.		Btu/h	4,435	4,800
	Min.		kcal/h	1,117	1,200
	Nom.		kW	3.20	4.00
	Nom.		Btu/h	10,919	13,600
	Nom.		kcal/h	2,752	3,439
	Max.		kW	4.50	5.00
	Max.		Btu/h	15,354	17,100
	Max.		kcal/h	3,869	4,299
Power input	Cooling	Nom.	kW	0.64	1.14
	Heating	Nom.	kW	0.80	1.15
Nominal efficiency	EER			3.77	2.98
	COP			4.00	3.48
	Annual energy consumption		kWh	318	570
	Energy labeling Directive	Cooling		A	C
		Heating		A	B
Space cooling	Energy efficiency class			A+	A
	Capacity	Pdesign	kW	2.40	3.40
	SEER			5.68	5.26
	Annual energy consumption		kWh/a	148	226
Space heating (Average climate)	Energy efficiency class			A+	A
	Capacity	Pdesign	kW	2.60	2.90
	SCOP/A			4.24	3.88
	SCOPnet/A			4.27	3.91
	Pdh Heating capacity at -10°		kW	2.16	2.41
	Annual energy consumption		kWh/a	858	1,046
	Required back up heating cap at design conditions		kW	0.44	0.49

2 Specifications

2 - 1 Specifications

Technical specifications					FDXM25F9 + RXM25R9	FDXM35F9 + RXM35R9
Space heating (Warm climate)	Energy efficiency class				A+++	A++
	Capacity	Pdesignh		kW	1.40	1.57
	SCOP				5.38	4.88
	SCOPnet				5.46	4.95
	Annual energy consumption			kWh/a	365	450
	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
		EERd			3.77	2.98
		Power input		kW	0.64	1.14
	B Condition (30°C - 27/19)	Pdc		kW	1.76	2.50
		EERd			5.38	4.08
		Power input		kW	0.33	0.61
	C Condition (25°C - 27/19)	Pdc		kW	1.27	1.61
		EERd			8.92	8.05
		Power input		kW	0.14	0.20
	D Condition (20°C - 27/19)	Pdc		kW	1.31	1.46
		EERd			10.90	9.65
		Power input		kW	0.12	0.15
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	1.93	2.15
		COPd (declared COP)			2.20	2.01
		Power input		kW	0.88	1.07
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.30	2.57
		COPd (declared COP)			2.81	2.60
		Power input		kW	0.82	0.99
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.30	2.57
		COPd (declared COP)			2.81	2.60
		Power input		kW	0.82	0.99
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57
		COPd (declared COP)			4.21	3.84
		Power input		kW	0.33	0.41
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02
		COPd (declared COP)			5.54	4.94
		Power input		kW	0.18	0.21
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19
		COPd (declared COP)			6.84	6.08
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.17	0.20
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000
		Heating	PCK	kW	-	0.000
	Off mode	Cooling	POFF	kW	14.0	0.014
		Heating	POFF	kW	14.0	0.014
	Standby mode	Cooling	PSB	kW	14.0	0.014
		Heating	PSB	kW	14.0	0.014
	Thermo-stat-off mode	Cooling	PTO	kW	7.0	0.007
		Heating	PTO	kW	7.0	0.007
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	1.93	2.15
		COPd (declared COP)			2.20	2.01
		Power input		kW	0.88	1.07
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.40	1.57
		COPd (declared COP)			4.21	3.84
		Power input		kW	0.33	0.41
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57
		COPd (declared COP)			4.21	3.84
		Power input		kW	0.33	0.41
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02
		COPd (declared COP)			5.54	4.94
		Power input		kW	0.18	0.21
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19
		COPd (declared COP)			6.84	6.08
		Power input		kW	0.17	0.20
Cooling	Cdc (Degradation cooling)				0.25	
Heating	Cdh (Degradation heating)				0.25	
Cooling function included					Yes	
Heating function included					Yes	
Average climate included					Yes	
Cold season included					No	
Warm season included					Yes	

2 Specifications

2 - 1 Specifications

Technical specifications					FDXM25F9 + RXM25R9	FDXM35F9 + RXM35R9
Ecolabel logo					No	-
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61
	Sound power level indoor	Cooling	Nom.	dBA	53	
	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 + RXM25R9	FFA35A9 + RXM35R9
Cooling capacity	Nom.			kW	2.50	3.40
	Nom.			Btu/h	8,530	11,600
	Nom.			kcal/h	2,150	2,923
Heating capacity	Nom.			kW	3.20	4.20
	Nom.			Btu/h	10,919	14,300
	Nom.			kcal/h	2,752	3,611
Power input	Cooling	Nom.		kW	0.55	0.89
	Heating	Nom.		kW	0.82	1.20
Nominal efficiency	EER				4.57	3.81
	COP				3.90	3.50
	Annual energy consumption			kWh	273	446
	Energy labeling Directive	Cooling			A	
		Heating			A	B
Space cooling	Energy efficiency class				A++	
	Capacity	Pdesign		kW	2.50	3.40
	SEER				6.17	6.38
	Annual energy consumption			kWh/a	142	186
Space heating (Average climate)	Energy efficiency class				A+	
	Capacity	Pdesign		kW	2.31	3.10
	SCOP/A				4.24	4.10
	SCOPnet/A				4.27	4.19
	Pdh Heating capacity at -10°			kW	2.03	2.04
	Annual energy consumption			kWh/a	762	1,058
	Required back up heating cap at design conditions			kW	0.28	1.06
Space heating (Warm climate)	Energy efficiency class				A+++	
	Capacity	Pdesignh		kW	1.24	
	SCOP				5.29	5.10
	SCOPnet				5.37	5.18
	Annual energy consumption			kWh/a	329	341
	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
		EERd			4.57	3.81
		Power input		kW	0.55	0.89
	B Condition (30°C - 27/19)	Pdc		kW	1.84	2.51
		EERd			6.60	5.79
		Power input		kW	0.28	0.43
Space cooling	C Condition (25°C - 27/19)	Pdc		kW	1.41	1.45
		EERd			9.11	9.13
		Power input		kW	0.16	
	D Condition (20°C - 27/19)	Pdc		kW	1.24	1.26
		EERd			11.95	11.99
		Power input		kW	0.10	0.11

2 Specifications

2 - 1 Specifications

Technical specifications					FFA25A9 + RXM25R9	FFA35A9 + RXM35R9
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.03	
		COPd (declared COP)			2.23	2.10
		Power input		kW	0.91	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.04	
		COPd (declared COP)			3.00	2.89
		Power input		kW	0.68	0.71
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04	
		COPd (declared COP)			3.00	2.89
		Power input		kW	0.68	0.71
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	
		COPd (declared COP)			4.16	4.00
		Power input		kW	0.30	0.31
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.03	
		COPd (declared COP)			5.57	5.37
		Power input		kW	0.19	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.21	
		COPd (declared COP)			6.90	6.65
		Power input		kW	0.18	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000
		Heating	PCK	kW	-	0.000
	Off mode	Cooling	POFF	kW	14.0	0.014
		Heating	POFF	kW	14.0	0.014
	Standby mode	Cooling	PSB	kW	14.0	0.014
		Heating	PSB	kW	14.0	0.014
	Thermo-stat-off mode	Cooling	PTO	kW	7.0	0.007
		Heating	PTO	kW	7.0	0.007
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.03	
		COPd (declared COP)			2.23	2.10
Space heating (Warm climate)	TOL	Power input		kW	0.91	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.24	
		COPd (declared COP)			4.16	4.00
		Power input		kW	0.30	0.31
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	
		COPd (declared COP)			4.16	4.00
		Power input		kW	0.30	0.31
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.03	
		COPd (declared COP)			5.57	5.37
		Power input		kW	0.19	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.21	
		COPd (declared COP)			6.90	6.65
		Power input		kW	0.18	
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
	Sound power level indoor	Cooling	Nom.	dBA	48	51
	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 + RXM25R9	FNA35A9 + RXM35R9
Cooling capacity	Nom.	kW	2.60	3.40
	Nom.	Btu/h	8,872	11,600
	Nom.	kcal/h	2,236	2,923

2 Specifications

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Technical specifications					FNA25A9 + RXM25R9	FNA35A9 + RXM35R9
Heating capacity	Nom.			kW	3.20	4.00
	Nom.			Btu/h	10,919	13,600
	Nom.			kcal/h	2,752	3,439
Power input	Cooling	Nom.		kW	0.68	1.10
	Heating	Nom.		kW	0.80	1.15
Nominal efficiency	EER				3.80	3.09
	COP				4.00	3.48
	Annual energy consumption			kWh	342	550
	Energy labeling Directive	Cooling			A	B
		Heating			A	B
Space cooling	Energy efficiency class				A+	
	Capacity	Pdesign		kW	2.60	3.40
	SEER				5.68	5.70
	Annual energy consumption			kWh/a	160	209
Space heating (Average climate)	Energy efficiency class				A+	
	Capacity	Pdesign		kW	2.80	2.90
	SCOP/A				4.24	4.05
	SCOPnet/A				4.28	4.08
	Pdh Heating capacity at -10°			kW	2.16	2.41
	Annual energy consumption			kWh/a	924	1,002
	Required back up heating cap at design conditions			kW	0.64	0.49
Space heating (Warm climate)	Energy efficiency class				A+++	
	Capacity	Pdesignh		kW	1.51	1.57
	SCOP				5.43	5.10
	SCOPnet				5.50	5.17
	Annual energy consumption			kWh/a	389	431
	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
		EERd			3.80	3.09
		Power input		kW	0.68	1.10
	B Condition (30°C - 27/19)	Pdc		kW	1.92	2.50
		EERd			5.17	4.41
		Power input		kW	0.37	0.57
Space cooling	C Condition (25°C - 27/19)	Pdc		kW	1.27	1.61
		EERd			8.97	9.38
		Power input		kW	0.14	0.17
	D Condition (20°C - 27/19)	Pdc		kW	1.33	1.46
		EERd			10.18	10.14
		Power input		kW	0.13	0.14
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	1.93	2.15
		COPd (declared COP)			2.20	2.21
		Power input		kW	0.88	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.48	2.57
		COPd (declared COP)			2.80	2.71
		Power input		kW	0.89	0.95
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.48	2.57
		COPd (declared COP)			2.80	2.71
		Power input		kW	0.89	0.95
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.51	1.57
		COPd (declared COP)			4.18	4.01
		Power input		kW	0.36	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02
		COPd (declared COP)			5.51	5.16
		Power input		kW	0.18	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19
		COPd (declared COP)			6.80	6.35
		Power input		kW	0.17	0.19
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000
		Heating	PCK	kW	-	0.000
	Off mode	Cooling	POFF	kW	14.0	0.014
		Heating	POFF	kW	14.0	0.014
	Standby mode	Cooling	PSB	kW	14.0	0.014
		Heating	PSB	kW	14.0	0.014
	Thermo-stat-off mode	Cooling	PTO	kW	7.0	0.007
		Heating	PTO	kW	7.0	0.007
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	1.93	2.15
		COPd (declared COP)			2.20	2.21

2 Specifications

2 - 1 Specifications

Technical specifications					FNA25A9 + RXM25R9	FNA35A9 + RXM35R9
Space heating (Warm climate)	TOL	Power input		kW	0.88	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.51	1.57
		COPd (declared COP)			4.18	4.01
		Power input		kW	0.36	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.51	1.57
		COPd (declared COP)			4.18	4.01
		Power input		kW	0.36	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02
		COPd (declared COP)			5.51	5.16
		Power input		kW	0.18	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19
		COPd (declared COP)			6.80	6.35
		Power input		kW	0.17	0.19
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
	Sound power level indoor	Cooling	Nom.	dBA	53	
	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				FVXM25F + RXM25R9	FVXM35F + RXM35R9
Indoor unit				FVXM25FV1B9	FVXM35FV1B9
Outdoor unit				RXM25R5V1B9	RXM35R5V1B9
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
	Nom.		Btu/h	8,530	11,943
	Nom.		kcal/h	2,150	3,009
	Max.		kW	3.00	3.80
	Max.		Btu/h	10,236	12,966
	Max.		kcal/h	2,579	3,267
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-	
	Max.		kcal/h	-	
Heating capacity	Min.		kW	1.30	1.40
	Min.		Btu/h	4,435	4,776
	Min.		kcal/h	1,117	1,203
	Nom.		kW	3.40	4.50
	Nom.		Btu/h	11,601	15,355
	Nom.		kcal/h	2,923	3,869
	Max.		kW	4.50	5.00
	Max.		Btu/h	15,354	17,060
	Max.		kcal/h	3,869	4,299
Power input	Cooling	Nom.	kW	0.60	1.09
	Heating	Nom.	kW	0.77	1.19
Nominal efficiency	EER			4.20	3.21
	COP			4.42	3.78
	Annual energy consumption		kWh	298	545
	Energy labeling Directive	Cooling		A	
		Heating		A	
Space cooling	Energy efficiency class			A++	
	Capacity	Pdesign	kW	2.50	3.50
	SEER			7.20	6.43
	Annual energy consumption		kWh/a	120	190

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2 - 1 Specifications

Technical specifications					FVXM25F + RXM25R9	FVXM35F + RXM35R9
Space heating (Average climate)	Capacity	Pdesign		kW	2.40	2.90
	Energy efficiency class				A+	
	SCOP/A				4.56	4.00
Space heating (Average climate)	SCOPnet/A				4.59	4.03
	Pdh Heating capacity at -10°			kW	2.23	2.40
	Annual energy consumption			kWh/a	737	1,015
	Required back up heating cap at design conditions			kW	0.17	0.50
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.29	1.56
	Energy efficiency class				A+++	
	SCOP				5.81	5.44
	SCOPnet				5.93	5.52
	Annual energy consumption			kWh/a	311	402
	Required back up heating cap at design conditions			kW	0.00	
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	2.50	3.50
		EERd			4.20	3.21
		Power input		kW	0.60	1.09
	B Condition (30°C - 27/19)	Pdc		kW	1.84	2.58
		EERd			6.36	4.75
		Power input		kW	0.29	0.54
	C Condition (25°C - 27/19)	Pdc		kW	1.17	1.68
		EERd			8.43	7.62
		Power input		kW	0.14	0.22
	D Condition (20°C - 27/19)	Pdc		kW	0.98	0.95
		EERd			11.48	11.50
		Power input		kW	0.09	0.08
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.09	2.12
		COPd (declared COP)			2.24	1.94
		Power input		kW	0.93	1.09
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.12	2.57
		COPd (declared COP)			3.25	2.40
		Power input		kW	0.65	1.07
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.12	2.57
		COPd (declared COP)			3.25	2.40
		Power input		kW	0.65	1.07
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56
		COPd (declared COP)			4.39	4.03
		Power input		kW	0.29	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03
Space heating (Average climate)	C Condition (7°C)	COPd (declared COP)			5.79	5.11
		Power input		kW	0.14	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08
		COPd (declared COP)			7.27	7.24
		Power input		kW	0.11	0.15
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.09	2.12
		COPd (declared COP)			2.24	1.94
		Power input		kW	0.93	1.09
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.29	1.56
		COPd (declared COP)			4.39	4.03
		Power input		kW	0.29	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56
		COPd (declared COP)			4.39	4.03
		Power input		kW	0.29	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03
		COPd (declared COP)			5.79	5.11
		Power input		kW	0.14	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08
		COPd (declared COP)			7.27	7.24
		Power input		kW	0.11	0.15
Power consumption in other than active mode	Off mode	POFF		W	2.0	
	Standby mode	Cooling	PSB	W	2.0	
		Heating	PSB	W	2.0	
	Thermo-stat-off mode	PTO	Cooling	W	8.0	
			Heating	W	8.0	
Cooling	Cdc (Degradation cooling)				0.25	
Heating	Cdh (Degradation heating)				0.25	
Cooling function included					Yes	
Heating function included					Yes	

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Technical specifications					FVXM25F + RXM25R9	FVXM35F + RXM35R9
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
	Sound power level indoor	Cooling	Nom.	dBA	52	
Eurovent	Piping length	Cooling	Measuring condition	m	5.0	

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

Technical specifications				FHA35A9 + RXM35R9
Cooling capacity	Nom.		kW	3.40
	Nom.		Btu/h	11,600
	Nom.		kcal/h	2,923
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.			-
	Max.			-
Heating capacity	Nom.		kW	4.00
	Nom.		Btu/h	13,600
	Nom.		kcal/h	3,439
Power input	Cooling	Nom.	kW	0.91
	Heating	Nom.	kW	0.98
Nominal efficiency	EER			3.73
	COP			4.08
	Annual energy consumption		kWh	456
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.40
	SEER			6.24
	Annual energy consumption		kWh/a	191
Space heating (Average climate)	Capacity	Pdesign	kW	3.10
	Energy efficiency class			A+
	SCOP/A			4.43
	SCOPnet/A			4.47
	Pdh Heating capacity at -10°		kW	2.64
	Annual energy consumption		kWh/a	979
	Required back up heating cap at design conditions		kW	0.46
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.67
	Energy efficiency class			A+++
	SCOP			5.72
	SCOPnet			5.83
	Annual energy consumption		kWh/a	409
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.40
		EERd		3.73
		Power input	kW	0.91
	B Condition (30°C - 27/19)	Pdc	kW	2.51
Space cooling	B Condition (30°C - 27/19)	EERd		5.28
		Power input	kW	0.48
	C Condition (25°C - 27/19)	Pdc	kW	1.68
		EERd		9.59
		Power input	kW	0.18
	D Condition (20°C - 27/19)	Pdc	kW	1.64
		EERd		11.71
		Power input	kW	0.14

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Technical specifications					FHA35A9 + RXM35R9
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.47
		COPd (declared COP)			2.23
		Power input		kW	1.11
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	2.74
		COPd (declared COP)			2.94
		Power input		kW	0.93
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.74
		COPd (declared COP)			2.94
		Power input		kW	0.93
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			4.32
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.14
		COPd (declared COP)			5.83
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.34
		COPd (declared COP)			7.24
		Power input		kW	0.19
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.47
		COPd (declared COP)			2.23
		Power input		kW	1.11
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			4.32
		Power input		kW	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.67
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)			4.32
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.14
		COPd (declared COP)			5.83
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.34
		COPd (declared COP)			7.24
		Power input		kW	0.19
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
	Sound power level indoor	Cooling	Nom.	dBA	53
	Piping length	Cooling	Measuring condition	m	5.00

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

Technical specifications			FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
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

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Technical specifications				FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
Cooling capacity - Low sound mode (Stb. 2020, 189)	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.		kcal/h		-	
Heating capacity	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,100		1,200
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30 /1,100		1.40 /1,200
	Min.		Btu/h	4,400		4,800
	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
Power input	Cooling	Nom.	kW	0.44	0.56	0.80
	Heating	Nom.	kW	0.50	0.56	0.99
Power input - Low sound mode (Stb. 2020, 189)	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
Nominal efficiency	Annual energy consumption		kWh	219	278	402
	Energy labeling Directive	Cooling			A	
		Heating			A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.57	4.50	4.23
	COP			5.00		4.04
	Annual energy consumption		kWh	219	278	402
Space cooling	Energy efficiency class				A+++	
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER				8.65	
	Annual energy consumption		kWh/a	81	101	137
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER				8.65	
	Annual energy consumption		kWh/a	81	101	137
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.40	2.50
	Energy efficiency class				A+++	
	SCOP/A				5.10	
	SCOPnet/A			5.13	5.14	
	Pdh Heating capacity at -10°		kW	2.24	2.30	2.35
	Annual energy consumption		kWh/a	631	659	686
	Required back up heating cap at design conditions		kW	0.06	0.10	0.15
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.40	2.50
	SCOP/A			4.90	4.93	4.94
	SCOPnet/A			4.94	4.97	4.98
	Pdh Heating capacity at -10°		kW	2.24	2.30	2.35
	Annual energy consumption		kWh/a	657	682	709
	Required back up heating cap at design conditions		kW	0.06	0.10	0.15
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.30	1.35
	Energy efficiency class				A+++	
	SCOP			6.19	6.15	6.18
	SCOPnet			6.32	6.25	6.28
	Annual energy consumption		kWh/a	280	296	306
	Required back up heating cap at design conditions		kW		0.00	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.24	1.30	1.35
	SCOP			6.17	6.12	6.15
	SCOPnet			6.29	6.23	6.26
	Annual energy consumption		kWh/a	281	297	307
	Required back up heating cap at design conditions		kW		0.00	

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Technical specifications				FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
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	1.48	1.85	2.51
		EERd		6.73	6.52	6.26
		Power input	kW	0.22	0.28	0.40
	C Condition (25°C - 27/19)	Pdc	kW	1.10	1.19	1.62
		EERd		10.52	10.17	10.18
		Power input	kW	0.10	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	1.05	1.17	1.04
		EERd		16.53	16.51	16.32
		Power input	kW	0.06	0.07	0.06
Space cooling - Low sound mode (Stb. 2020, 189)	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	1.48	1.85	2.51
		EERd		6.73	6.52	6.26
		Power input	kW	0.22	0.28	0.40
	C Condition (25°C - 27/19)	Pdc	kW	1.10	1.19	1.62
		EERd		10.52	10.17	10.18
		Power input	kW	0.10	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	1.05	1.17	1.04
		EERd		16.53	16.51	16.32
		Power input	kW	0.06	0.07	0.06
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-20		
		Pdh (declared heating cap)	kW	2.14		
		COPd (declared COP)		2.29		2.50
		Power input	kW	0.93		0.86
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.04	2.13	2.22
		COPd (declared COP)		3.51	3.60	3.55
		Power input	kW	0.58	0.59	0.63
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.04	2.13	2.22
		COPd (declared COP)		3.51	3.60	3.55
		Power input	kW	0.58	0.59	0.63
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24	1.30	1.35
		COPd (declared COP)		5.16	5.14	5.11
Space heating (Average climate)	B Condition (2°C)	Power input	kW	0.24	0.25	0.26
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.96	0.94	0.93
		COPd (declared COP)		6.34	6.26	6.25
		Power input	kW	0.15		
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.99	1.08	
		COPd (declared COP)		7.99	7.85	7.72
		Power input	kW	0.12	0.14	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-20		
		Pdh (declared heating cap)	kW	2.14		
		COPd (declared COP)		2.11	2.14	2.30
		Power input	kW	1.01	1.00	0.93
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.04	2.13	2.22
		COPd (declared COP)		3.25	3.32	3.29
		Power input	kW	0.63	0.64	0.67
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.04	2.13	2.22
		COPd (declared COP)		3.25	3.32	3.29
		Power input	kW	0.63	0.64	0.67
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24	1.30	1.35
		COPd (declared COP)		4.91	4.94	4.92
		Power input	kW	0.25	0.26	0.27
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.96	0.94	0.93
		COPd (declared COP)		6.34	6.26	6.25
		Power input	kW	0.15		
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.99	1.08	
		COPd (declared COP)		7.99	7.85	7.72
		Power input	kW	0.12	0.14	

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Technical specifications					FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20		
		Pdh (declared heating cap)		kW	2.14		
		COPd (declared COP)			2.29		2.50
		Power input		kW	0.93		0.86
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.24	1.30	1.35
		COPd (declared COP)			5.16	5.14	5.11
		Power input		kW	0.24	0.25	0.26
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.29	1.35
		COPd (declared COP)			5.16	5.14	5.11
Space heating (Warm climate)	B Condition (2°C)	Power input		kW	0.24	0.25	0.26
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.96	0.94	0.93
		COPd (declared COP)			6.34	6.26	6.25
		Power input		kW	0.15		
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.99	1.08	
		COPd (declared COP)			7.99	7.85	7.72
		Power input		kW	0.12	0.14	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-20		
		Pdh (declared heating cap)		kW	2.14		
		COPd (declared COP)			2.11	2.14	2.30
		Power input		kW	1.01	1.00	0.93
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.24	1.30	1.35
		COPd (declared COP)			4.91	4.94	4.92
		Power input		kW	0.25	0.26	0.27
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.35
		COPd (declared COP)			4.91	4.94	4.92
		Power input		kW	0.25	0.26	0.27
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.96	0.94	0.93
		COPd (declared COP)			6.34	6.26	6.25
		Power input		kW	0.15		
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.99	1.08	
		Power input		kW	0.12	0.14	
		COPd (declared COP)			7.99	7.85	7.72
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
		Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	6		
			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		
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.

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Technical specifications				FVXM25A + RXM25R9	FVXM35A + RXM35R9
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
	Nom.		Btu/h	8,200	11,600
	Nom.		kcal/h	2,064	2,923
	Max.		kW	3.50	4.00
	Max.		Btu/h	11,900	13,600
	Max.		kcal/h	3,009	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	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
	Nom.		Btu/h	8,200	11,600
	Nom.		kcal/h	2,064	2,923
	Max.		kW	3.50	4.00
	Max.		Btu/h	11,900	13,600
	Max.		kcal/h	3,009	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	3.40	4.50
	Nom.		Btu/h	11,600	15,400
	Nom.		kcal/h	2,923	3,869
	Max.		kW	4.70	5.80
	Max.		Btu/h	16,000	19,800
	Max.		kcal/h	4,041	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30 /1,100	1.40 /1,200
	Min.		Btu/h	4,400	4,800
	Nom.		kW	3.40	4.50
	Nom.		Btu/h	11,600	15,400
	Nom.		kcal/h	2,923	3,869
	Max.		kW	4.70	5.80
	Max.		Btu/h	16,000	19,800
	Max.		kcal/h	4,041	4,987
Power input	Cooling	Nom.	kW	0.54	0.85
Power input	Heating	Nom.	kW	0.75	1.15
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.54	0.85
	Heating	Min.	kW	0.75	1.15
Nominal efficiency	EER			4.47	4.01
	COP			4.55	3.90
	Annual energy consumption		kWh	268	424
	Energy labeling Directive	Cooling		A	
		Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.47	4.01
	COP			4.55	3.90
	Annual energy consumption		kWh	268	424
Space cooling	Energy efficiency class			A+++	A++
	Capacity	Pdesign	kW	2.40	3.40
	SEER			8.55	8.11
	Annual energy consumption		kWh/a	98	147
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	3.40
	SEER			8.55	8.11
	Annual energy consumption		kWh/a	98	147
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.80
	Energy efficiency class			A++	
	SCOP/A			4.65	4.63
	SCOPnet/A			4.68	4.67
	Pdh Heating capacity at -10°		kW	2.03	2.34
	Annual energy consumption		kWh/a	693	847
	Required back up heating cap at design conditions		kW	0.27	0.46
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.80
	SCOP/A			4.60	
	SCOPnet/A			4.63	4.64
	Pdh Heating capacity at -10°		kW	2.03	2.34
	Annual energy consumption		kWh/a	701	853
	Required back up heating cap at design conditions		kW	0.27	0.46

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Technical specifications				FVXM25A + RXM25R9	FVXM35A + RXM35R9
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.51
	Energy efficiency class			A+++	
	SCOP			5.50	5.71
	SCOPnet			5.61	5.80
	Annual energy consumption		kWh/a	316	370
	Required back up heating cap at design conditions		kW	0	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.24	1.51
	SCOP			5.50	5.70
	SCOPnet			5.60	5.80
	Annual energy consumption		kWh/a	316	371
	Required back up heating cap at design conditions		kW	0	
Space cooling	A Condition	Pdc	kW	2.40	3.40
	(35°C - 27/19)	EERd		4.47	4.01
		Power input	kW	0.54	0.85
	B Condition	Pdc	kW	1.77	2.51
	(30°C - 27/19)	EERd		6.50	5.82
		Power input	kW	0.27	0.43
	C Condition	Pdc	kW	1.23	1.62
	(25°C - 27/19)	EERd		10.51	9.63
		Power input	kW	0.12	0.17
	D Condition	Pdc	kW	1.18	1.12
	(20°C - 27/19)	EERd		14.90	15.17
		Power input	kW	0.08	0.07
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.40	3.40
	(35°C - 27/19)	EERd		4.47	4.01
		Power input	kW	0.54	0.85
	B Condition	Pdc	kW	1.77	2.51
	(30°C - 27/19)	EERd		6.50	5.82
		Power input	kW	0.27	0.43
	C Condition	Pdc	kW	1.23	1.62
	(25°C - 27/19)	EERd		10.51	9.63
		Power input	kW	0.12	0.17
	D Condition	Pdc	kW	1.18	1.12
	(20°C - 27/19)	EERd		14.90	15.17
		Power input	kW	0.08	0.07
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15	
		Pdh (declared heating cap)	kW	2.01	2.12
		COPd (declared COP)		2.24	1.94
		Power input	kW	0.90	1.09
	TBivalent	Tbiv (bivalent temperature)	°C	-7	
		Pdh (declared heating cap)	kW	2.04	2.48
		COPd (declared COP)		3.46	3.24
		Power input	kW	0.59	0.77
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	2.04	2.48
	(-7°C)	COPd (declared COP)		3.46	3.24
		Power input	kW	0.59	0.77
	B Condition	Pdh (declared heating cap)	kW	1.24	1.51
	(2°C)	COPd (declared COP)		4.67	4.58
		Power input	kW	0.27	0.33
	C Condition	Pdh (declared heating cap)	kW	1.02	1.03
	(7°C)	COPd (declared COP)		5.67	5.80
		Power input	kW	0.18	
	D Condition	Pdh (declared heating cap)	kW	1.06	1.18
	(12°C)	COPd (declared COP)		7.16	7.13
		Power input	kW	0.15	0.17

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Technical specifications					FVXM25A + RXM25R9	FVXM35A + RXM35R9
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.01	2.12
		COPd (declared COP)			2.15	1.89
		Power input		kW	0.93	1.12
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.04	2.48
		COPd (declared COP)			3.33	3.19
		Power input		kW	0.61	0.78
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04	2.48
		COPd (declared COP)			3.33	3.19
		Power input		kW	0.61	0.78
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.63	4.54
		Power input		kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.03
		COPd (declared COP)			5.67	5.80
		Power input		kW	0.18	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06	1.18
		COPd (declared COP)			7.16	7.13
		Power input		kW	0.15	0.17
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.01	2.12
		COPd (declared COP)			2.24	1.94
		Power input		kW	0.90	1.09
	TBivalent	Tbiv (bivalent temperature)		°C	2	
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.67	4.58
		Power input		kW	0.27	0.33
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.67	4.58
		Power input		kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.03
		COPd (declared COP)			5.67	5.80
		Power input		kW	0.18	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06	1.18
		COPd (declared COP)			7.16	7.13
		Power input		kW	0.15	0.17
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.01	2.12
		COPd (declared COP)			2.15	1.89
		Power input		kW	0.93	1.12
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.63	4.54
		Power input		kW	0.27	0.33
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.63	4.54
		Power input		kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.03
		COPd (declared COP)			5.67	5.80
		Power input		kW	0.18	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06	1.18
		Power input		kW	0.15	0.17
		COPd (declared COP)			7.16	7.13
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	1	
	Standby mode	Cooling	PSB	W	1	
		Heating	PSB	W	1	
	Thermo-stat-off mode	PTO	Cooling	W	6	
			Heating	W	8	
Cooling	Cdc (Degradation cooling)				0.25	
Heating	Cdh (Degradation heating)				0.25	
Cooling function included					Yes	
Heating function included					Yes	
Average climate included					Yes	
Cold season included					No	
Warm season included					Yes	

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM25A + RXM25R9	FVXM35A + RXM35R9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61
	Sound power level indoor	Cooling	Nom.	dBA	52	53
	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				FVXM25A9 + RXM25R9	FVXM35A9 + RXM35R9
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
	Nom.		Btu/h	8,200	11,600
	Nom.		kcal/h	2,064	2,923
	Max.		kW	3.50	4.00
	Max.		Btu/h	11,900	13,600
	Max.		kcal/h	3,009	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	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
	Nom.		Btu/h	8,200	11,600
	Nom.		kcal/h	2,064	2,923
	Max.		kW	3.50	4.00
	Max.		Btu/h	11,900	13,600
	Max.		kcal/h	3,009	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	3.40	4.50
	Nom.		Btu/h	11,600	15,400
	Nom.		kcal/h	2,923	3,869
	Max.		kW	4.70	5.80
	Max.		Btu/h	16,000	19,800
	Max.		kcal/h	4,041	4,987
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30	1.40
	Min.		Btu/h	4,400	4,800
	Nom.		kW	3.40	4.50
	Nom.		Btu/h	11,600	15,400
	Nom.		kcal/h	2,923	3,869
	Max.		kW	4.70	5.80
	Max.		Btu/h	16,000	19,800
	Max.		kcal/h	4,041	4,987
Power input	Cooling	Nom.	kW	0.54	0.85
Power input	Heating	Nom.	kW	0.75	1.15
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.54	0.85
	Heating	Min.	kW	0.75	1.15
Nominal efficiency	EER			4.47	4.01
	COP			4.55	3.90
	Annual energy consumption		kWh	268	424
	Energy labeling Directive	Cooling		A	
		Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.47	4.01
	COP			4.55	3.90
	Annual energy consumption		kWh	268	424
Space cooling	Energy efficiency class			A+++	A++
	Capacity	Pdesign	kW	2.40	3.40
	SEER			8.55	8.11
	Annual energy consumption		kWh/a	98	147
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.40	3.40
	SEER			8.55	8.11
	Annual energy consumption		kWh/a	98	147

2 Specifications

2 - 1 Specifications

Technical specifications				FVXM25A9 + RXM25R9	FVXM35A9 + RXM35R9
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.80
	Energy efficiency class			A++	
	SCOP/A			4.65	4.63
	SCOPnet/A			4.68	4.67
	Pdh Heating capacity at -10°		kW	2.03	2.34
	Annual energy consumption		kWh/a	693	847
	Required back up heating cap at design conditions		kW	0.27	0.46
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.80
	SCOP/A			4.60	
	SCOPnet/A			4.63	4.64
	Pdh Heating capacity at -10°		kW	2.03	2.34
	Annual energy consumption		kWh/a	701	853
	Required back up heating cap at design conditions		kW	0.27	0.46
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.51
	Energy efficiency class			A+++	
	SCOP			5.50	5.71
	SCOPnet			5.61	5.80
	Annual energy consumption		kWh/a	316	370
	Required back up heating cap at design conditions		kW	0	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	1.24	1.51
	SCOP			5.50	5.70
	SCOPnet			5.60	5.80
	Annual energy consumption		kWh/a	316	371
	Required back up heating cap at design conditions		kW	0	
Space cooling	A Condition	Pdc	kW	2.40	3.40
	(35°C - 27/19)	EERd		4.47	4.01
		Power input	kW	0.54	0.85
	B Condition	Pdc	kW	1.77	2.51
	(30°C - 27/19)	EERd		6.50	5.82
		Power input	kW	0.27	0.43
	C Condition	Pdc	kW	1.23	1.62
	(25°C - 27/19)	EERd		10.51	9.63
		Power input	kW	0.12	0.17
	D Condition	Pdc	kW	1.18	1.12
	(20°C - 27/19)	EERd		14.90	15.17
		Power input	kW	0.08	0.07
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.40	3.40
	(35°C - 27/19)	EERd		4.47	4.01
		Power input	kW	0.54	0.85
	B Condition	Pdc	kW	1.77	2.51
	(30°C - 27/19)	EERd		6.50	5.82
		Power input	kW	0.27	0.43
	C Condition	Pdc	kW	1.23	1.62
	(25°C - 27/19)	EERd		10.51	9.63
		Power input	kW	0.12	0.17
	D Condition	Pdc	kW	1.18	1.12
	(20°C - 27/19)	EERd		14.90	15.17
		Power input	kW	0.08	0.07
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15	
		Pdh (declared heating cap)	kW	2.01	2.12
		COPd (declared COP)		2.24	1.94
		Power input	kW	0.90	1.09
	TBivalent	Tbiv (bivalent temperature)	°C	-7	
		Pdh (declared heating cap)	kW	2.04	2.48
		COPd (declared COP)		3.46	3.24
		Power input	kW	0.59	0.77
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	2.04	2.48
	(-7°C)	COPd (declared COP)		3.46	3.24
		Power input	kW	0.59	0.77
	B Condition	Pdh (declared heating cap)	kW	1.24	1.51
	(2°C)	COPd (declared COP)		4.67	4.58
		Power input	kW	0.27	0.33
	C Condition	Pdh (declared heating cap)	kW	1.02	1.03
	(7°C)	COPd (declared COP)		5.67	5.80
		Power input	kW	0.18	
	D Condition	Pdh (declared heating cap)	kW	1.06	1.18
	(12°C)	COPd (declared COP)		7.16	7.13
		Power input	kW	0.15	0.17

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM25A9 + RXM25R9	FVXM35A9 + RXM35R9
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.01	2.12
		COPd (declared COP)			2.15	1.89
		Power input		kW	0.93	1.12
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	2.04	2.48
		COPd (declared COP)			3.33	3.19
		Power input		kW	0.61	0.78
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04	2.48
		COPd (declared COP)			3.33	3.19
		Power input		kW	0.61	0.78
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.63	4.54
		Power input		kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.03
		COPd (declared COP)			5.67	5.80
		Power input		kW	0.18	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06	1.18
		COPd (declared COP)			7.16	7.13
		Power input		kW	0.15	0.17
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.01	2.12
		COPd (declared COP)			2.24	1.94
		Power input		kW	0.90	1.09
	TBivalent	Tbiv (bivalent temperature)		°C	2	
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.67	4.58
		Power input		kW	0.27	0.33
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.67	4.58
		Power input		kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.03
		COPd (declared COP)			5.67	5.80
		Power input		kW	0.18	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06	1.18
		COPd (declared COP)			7.16	7.13
		Power input		kW	0.15	0.17
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	2.01	2.12
		COPd (declared COP)			2.15	1.89
		Power input		kW	0.93	1.12
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.63	4.54
		Power input		kW	0.27	0.33
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.51
		COPd (declared COP)			4.63	4.54
		Power input		kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.03
		COPd (declared COP)			5.67	5.80
		Power input		kW	0.18	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.06	1.18
		Power input		kW	0.15	0.17
		COPd (declared COP)			7.16	7.13
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	1	
	Standby mode	Cooling	PSB	W	1	
		Heating	PSB	W	1	
	Thermo-stat-off mode	PTO	Cooling	W	6	
			Heating	W	8	
Cooling	Cdc (Degradation cooling)				0.25	
Heating	Cdh (Degradation heating)				0.25	
Cooling function included					Yes	
Heating function included					Yes	
Average climate included					Yes	
Cold season included					No	
Warm season included					Yes	

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM25A9 + RXM25R9	FVXM35A9 + RXM35R9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61
	Sound power level indoor	Cooling	Nom.	dBA	52	53
	Piping length	Cooling	Measuring condition	m	5.00	

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

3 Electrical data

3 - 1 Electrical Data

ARXM25-35R9
RXM20-35R9

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20R5V1B9	FTXM20N2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	8,84	10	35,0	2,0	0,048	0,320	0,022	0,22
		50	230					2,1				
		50	240					2,2				
RXM25R5V1B9	FTXM25N2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,63	13	46,0	2,6	0,040	0,280	0,022	0,22
		50	230					2,7				
		50	240					2,8				
RXM35R5V1B9	FTXM35N2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,70	13	60,0	4,2	0,048	0,320	0,027	0,25
		50	230					4,4				
		50	240					4,6				
ARXM25R5V1B9	ATXM25N2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,63	13	46,0	2,6	0,040	0,280	0,022	0,22
		50	230					2,7				
		50	240					2,8				
ARXM35R5V1B9	ATXM35N2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9,70	13	60,0	4,2	0,048	0,320	0,027	0,25
		50	230					4,4				
		50	240					4,6				

Notes

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

Symbols

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

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3 Electrical data

3 - 1 Electrical Data

ARXM25-35R9
RXM20-35R9

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXM20R2V1B	RXM20R5V1B9	50	220	Maximum	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230	·50·Hz				1,6				
		50	240	·264·V				1,6				
FTXM25R2V1B	RXM25R5V1B9	50	220	Maximum	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230	·50·Hz				2,2				
		50	240	·264·V				2,1				
FFA25A2VEB9	RXM25R5V1B9	50	220	Maximum	10,79	13	40,0	2,3	0,040	0,280	0,050	0,20
		50	230	·50·Hz				2,5				
		50	240	·264·V				2,6				
FDXM25F3V1B9	RXM25R5V1B9	50	220	Maximum	10,92	13	39,0	2,1	0,040	0,280	0,034	0,30
		50	230	·50·Hz				2,2				
		50	240	·264·V				2,3				
FNA25A2VEB9	RXM25R5V1B9	50	220	Maximum	11,17	13	43,0	2,3	0,040	0,280	0,034	0,50
		50	230	·50·Hz				2,4				
		50	240	·264·V				2,5				
FTXM35R2V1B	RXM35R5V1B9	50	220	Maximum	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230	·50·Hz				3,2				
		50	240	·264·V				3,0				
FCAG35BVEB	RXM35R5V1B9	50	220	Maximum	10,92	13	63,0	3,6	0,048	0,320	0,048	0,30
		50	230	·50·Hz				3,8				
		50	240	·264·V				4,0				
FBA35A2VEB9	RXM35R5V1B9	50	220	Maximum	12,29	13	56,0	3,3	0,048	0,320	0,089	1,40
		50	230	·50·Hz				3,5				
		50	240	·264·V				3,6				
FHA35AVEB99	RXM35R5V1B9	50	220	Maximum	11,29	13	64,0	3,8	0,048	0,320	0,090	0,60
		50	230	·50·Hz				4,0				
		50	240	·264·V				4,2				
FFA35A2VEB9	RXM35R5V1B9	50	220	Maximum	10,79	13	64,0	3,6	0,048	0,320	0,050	0,20
		50	230	·50·Hz				3,8				
		50	240	·264·V				4,0				
FDXM35F3V1B9	RXM35R5V1B9	50	220	Maximum	10,92	13	65,0	3,6	0,048	0,320	0,034	0,30
		50	230	·50·Hz				3,8				
		50	240	·264·V				3,9				
FNA35A2VEB9	RXM35R5V1B9	50	220	Maximum	11,17	13	65,0	3,6	0,048	0,320	0,034	0,50
		50	230	·50·Hz				3,8				
		50	240	·264·V				3,9				
ATXM25R2V1B	ARXM25R5V1B9	50	220	Maximum	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230	·50·Hz				2,2				
		50	240	·264·V				2,1				
ATXM35R2V1B	ARXM35R5V1B9	50	220	Maximum	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230	·50·Hz				3,2				
		50	240	·264·V				3,0				
ADEA35A2VEB	ARXM35R5V1B9	50	220	Maximum	12,29	13	56,0	3,8	0,048	0,320	0,089	1,40
		50	230	·50·Hz				3,5				
		50	240	·264·V				3,2				
FTXM20R5V1B	RXM20R5V1B9	50	220	Maximum	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230	·50·Hz				1,6				
		50	240	·264·V				1,6				
FTXM25R5V1B	RXM25R5V1B9	50	220	Maximum	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230	·50·Hz				2,2				
		50	240	·264·V				2,1				
FTXM35R5V1B	RXM35R5V1B9	50	220	Maximum	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230	·50·Hz				3,2				
		50	240	·264·V				3,0				
ATXM25R5V1B	ARXM25R5V1B9	50	220	Maximum	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230	·50·Hz				2,2				
		50	240	·264·V				2,1				
ATXM35R5V1B	ARXM35R5V1B9	50	220	Maximum	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230	·50·Hz				3,2				
		50	240	·264·V				3,0				
FVXM25A2V1B	RXM25R5V1B9	50	220	Maximum	9,54	13	41,0	2,6	0,040	0,280	0,037	0,14
		50	230	·50·Hz				2,5				
		50	240	·264·V				2,4				
FVXM35A2V1B	RXM35R5V1B9	50	220	Maximum	9,58	13	62,0	3,8	0,048	0,320	0,037	0,14
		50	230	·50·Hz				3,7				
		50	240	·264·V				3,6				

Notes

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

Symbols

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

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4 Capacity tables

4 - 1 Cooling Capacity Tables

FBA35A9 / RXM35R9

AFR	15,0
BF	0,08

Cooling ·220-240V 50Hz·

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor 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	3,59	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 air temperature [°C DB]	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
	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

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.

4D133717

FCAG35B / RXM35R9

AFR	12,5
BF	0,4

Cooling ·220-240V 50Hz·

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.

4D133724

4 Capacity tables

4 - 1 Cooling Capacity Tables

FDXM25F9 / RXM25R9

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 t□· · 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.

4D133740

FDXM35F9 / RXM35R9

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.

4D133725

4 Capacity tables

4 - 1 Cooling Capacity Tables

FFA25A9 / RXM25R9

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.

4D133739

FFA35A9 / RXM35R9

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.

4D133727

4 Capacity tables

4 - 1 Cooling Capacity Tables

FHA35A9 / RXM35R9

AFR	14,0
BF	0,17

Cooling ·220-240V 50Hz·

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

AFR	14,0

Heating ·220-240V 50Hz·

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.

4D133730

FNA25A9 / RXM25R9

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.

4D133735

4 Capacity tables

4 - 1 Cooling Capacity Tables

FNA35A9 / RXM35R9

AFR	8,7
BF	0,17

Cooling ·220-240V 50Hz·

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

AFR	8,7

Heating ·220-240V 50Hz·

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.

4D133731

FTXM20N / RXM20R9

AFR	11,1
BF	0,16

Cooling ·220-240V 50Hz·

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

AFR	10,4

Heating ·220-240V 50Hz·

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

Symbols

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

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]

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

4D133737

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXM20R / RXM20R9

Cooling 50Hz 220 -240V

AFR	10,48
BF	0,08

Indoor air temperature [° C WB]	Indoor air temperature [° C DB]	Outdoor temperature [° C DB]																	
		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 air temperature [° C DB]	Outdoor temperature [° C WB]											
	-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
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.

4D133702

FTXM25N / RXM25R9

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

Heating ·220-240V 50Hz·

AFR	10,8

①	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

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

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

4D133732

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXM25R / RXM25R9

AFR	10,49
BF	0,25

Cooling 50Hz 220 ~240V

Indoor air temperature [° C WB]	Indoor air temperature [° C DB]	Outdoor temperature [° C DB]																	
		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

AFR	9,78

Heating 50Hz 220 ~240V

Indoor air temperature [° C DB]	Outdoor temperature [° C WB]											
	-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
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.

4D133703

FTXM35N / RXM35R9

AFR	12,3
BF	0,21

Cooling ·220-240V 50Hz·

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

AFR	10,8

Heating ·220-240V 50Hz·

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]

4D133734

4 Capacity tables

4 - 1 Cooling Capacity Tables

FVXM25A / RXM25R9

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

4D133699

FVXM25F / RXM25R9

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.

4D133736

4 Capacity tables

4 - 1 Cooling Capacity Tables

FVXM35F / RXM35R9

Cooling ·220-240V 50Hz·

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.

4D133733

FTXM35R / RXM35R9

Cooling ·50Hz 220–240V·

AFR	11,33
BF	0,200

Indoor temperature		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	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	9,8

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	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

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

Indoor temperature	Outdoor temperature [° C WB]													
EDB	−15		−10		−5		0		6		10		20	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,65	1,51	3,26	1,64	3,46	1,76	3,71	1,89	5,20	2,04	5,28	1,73	5,01	1,22

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

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

Notes
1) The bold cells indicate the standard conditions.
2) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
3) The air flow rate and bypass factor are mentioned in the table.
4) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
5) 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).

4D133704A

4 Capacity tables

4 - 1 Cooling Capacity Tables

FVXM35A / RXM35R9
FVXM35A9 / RXM35R9

Cooling ·50Hz 220–240V·

AFR	9,2
BF	0,110

Indoor temperature		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,35	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 ·50Hz 220–240V·

AFR	9,8

Indoor temperature	Outdoor temperature [° C WB]													
EDB	−20		−15		−10		−5		0		7		10	
°C	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·.

Indoor temperature	Outdoor temperature [° C WB]													
EDB	−15		−10		−5		0		6		10		20	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	3,42	1,34	3,99	1,46	3,78	1,58	4,24	1,70	5,80	1,84	5,82	1,69	5,30	1,25

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

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

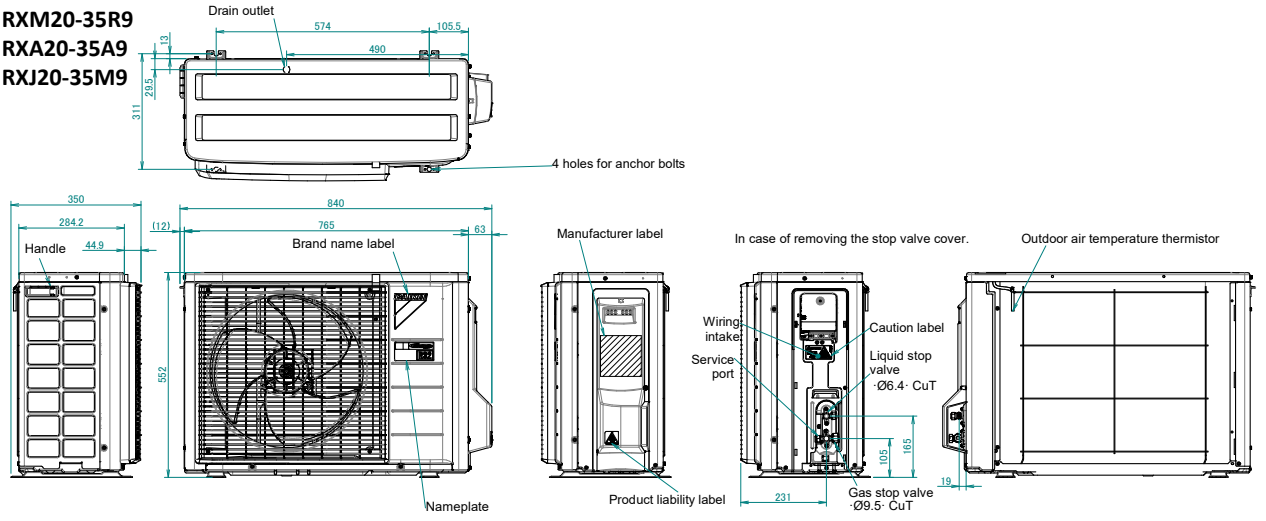
Notes
1) The bold cells indicate the standard conditions.
2) The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
3) The air flow rate and bypass factor are mentioned in the table.
4) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
5) 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).

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5 Dimensional drawings

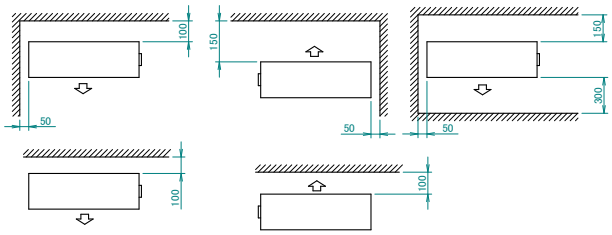
5 - 1 Dimensional Drawings

ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9



Minimum space for air passage

Wall height on air outlet side < 1200 mm

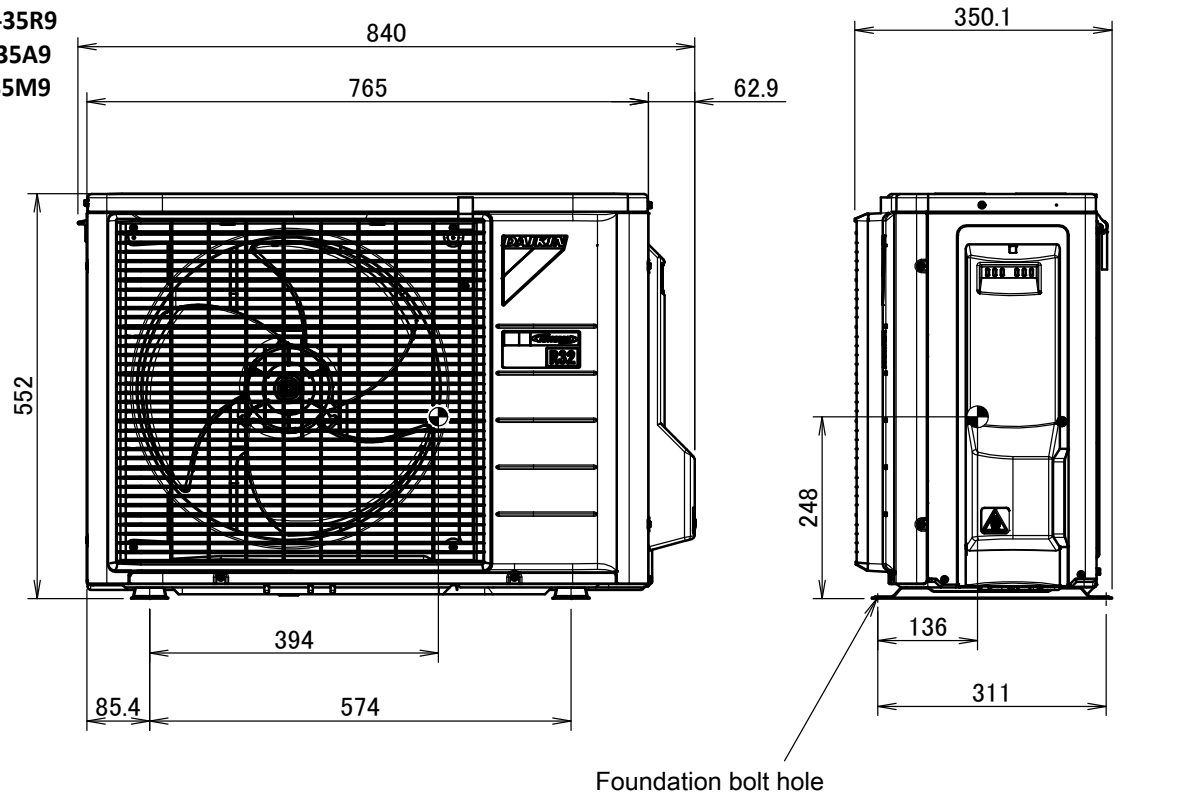


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6 Centre of gravity

6 - 1 Centre of Gravity

ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9

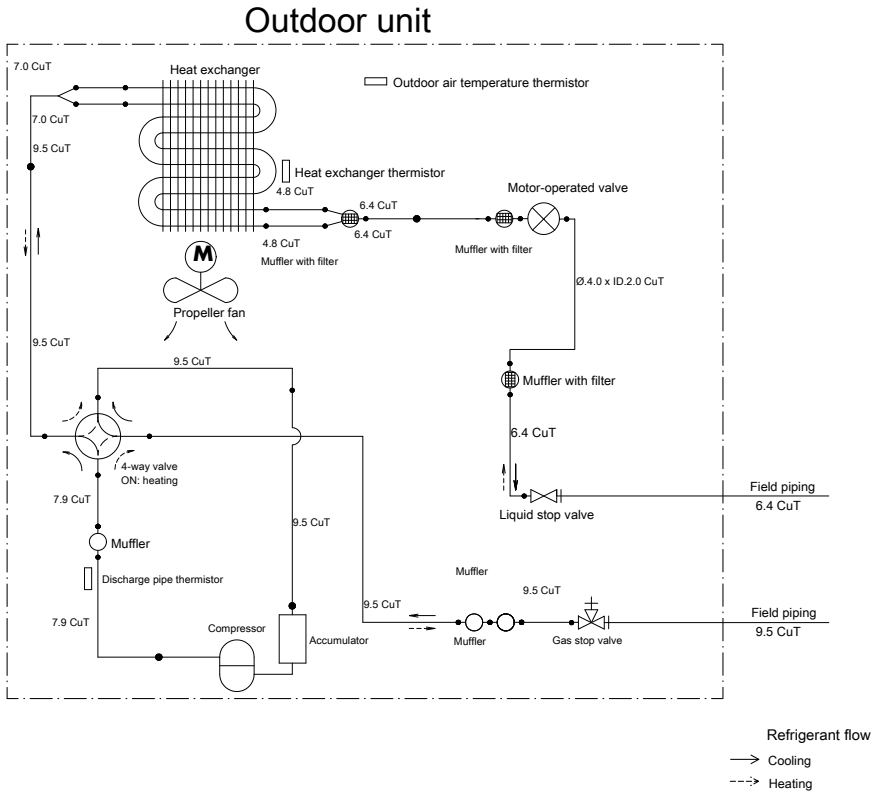


4D119880

7 Piping diagrams

7 - 1 Piping Diagrams

ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9

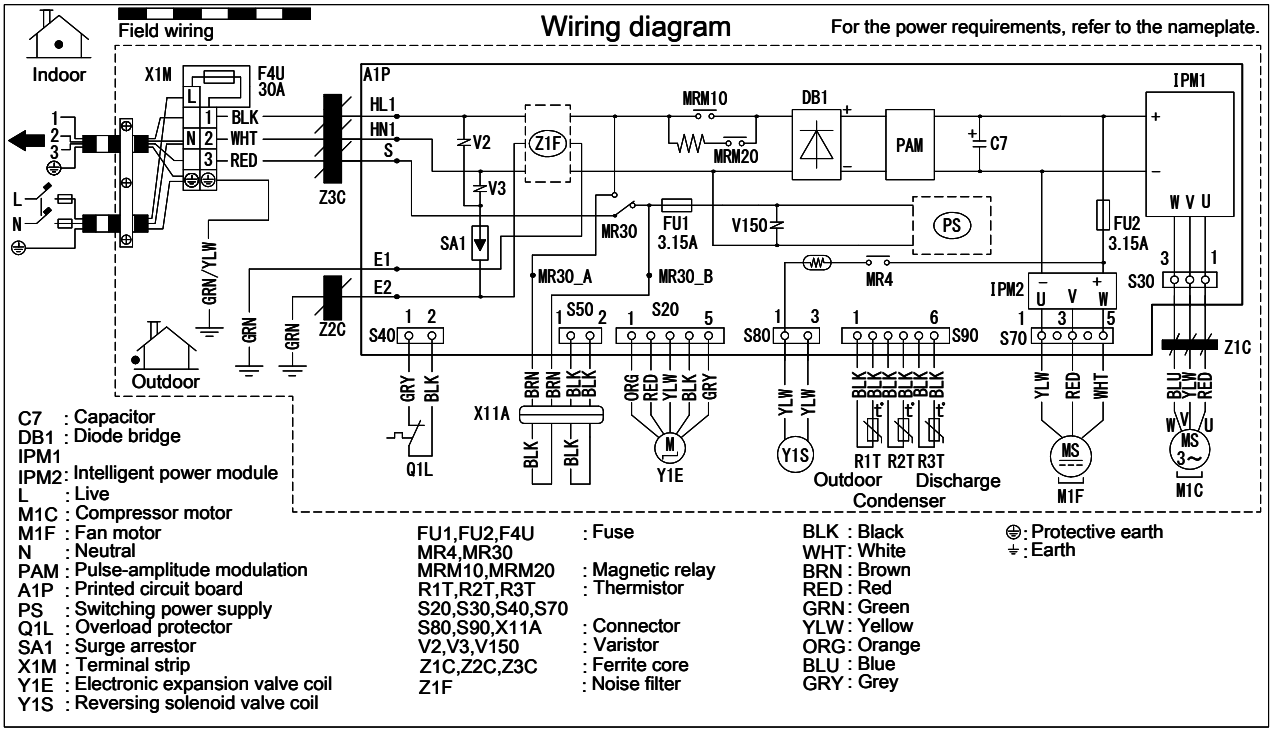


3D091995B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

ARXM25-35R9
RXM20-35R9



Notes

Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

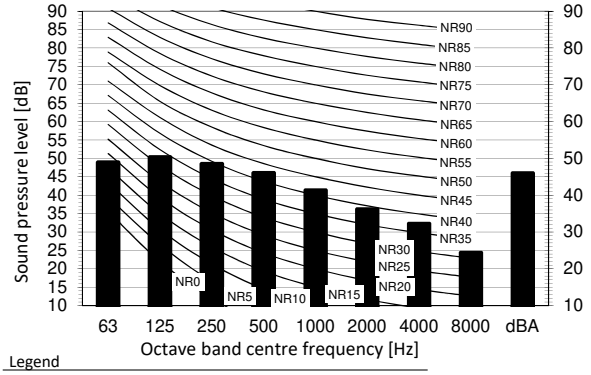
4D120154

9 Sound data

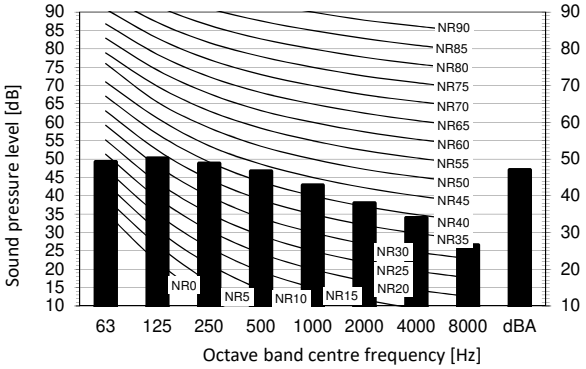
9 - 1 Sound Pressure Spectrum

RXM20R9
RXA20A9
RXJ20M9

Cooling mode



Heating mode



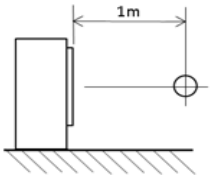
Legend

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

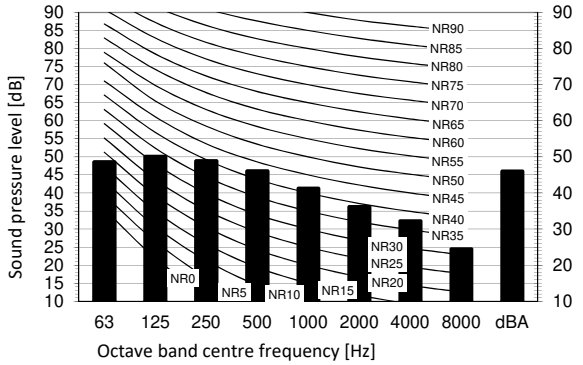
Notes

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

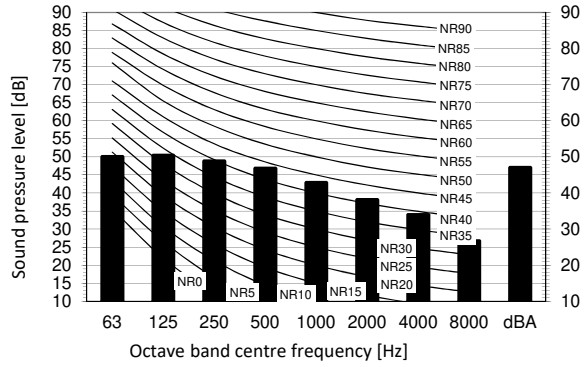
3D110121A

ARXM25R9
RXM25R9
RXA25A9
RXJ25M9

Cooling mode



Heating mode



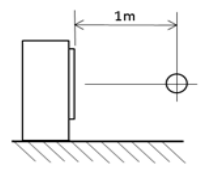
Legend

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
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Cooling	Total dB
A	B
dBA	46

Heating	Total dB
A	B
dBA	47

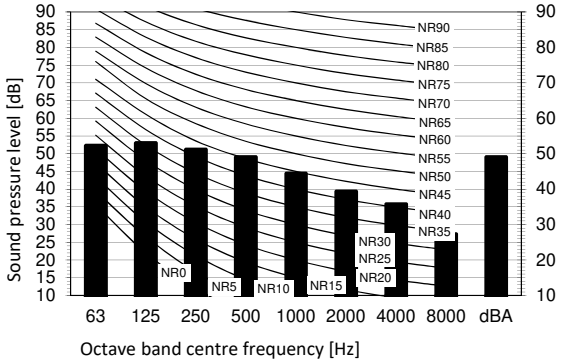
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9 Sound data

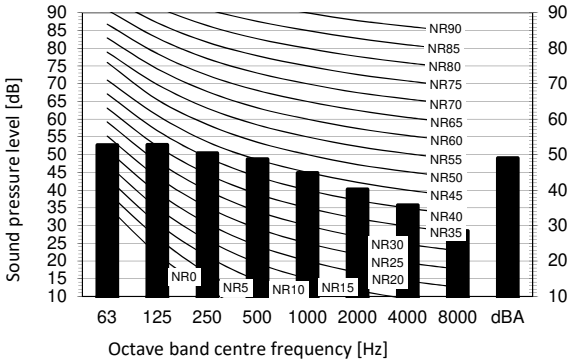
9 - 1 Sound Pressure Spectrum

ARXM35R9
RXM35R9
RXA35A9
RXJ35M9

Cooling mode



Heating mode



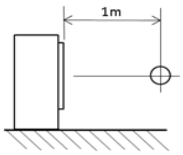
Legend

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

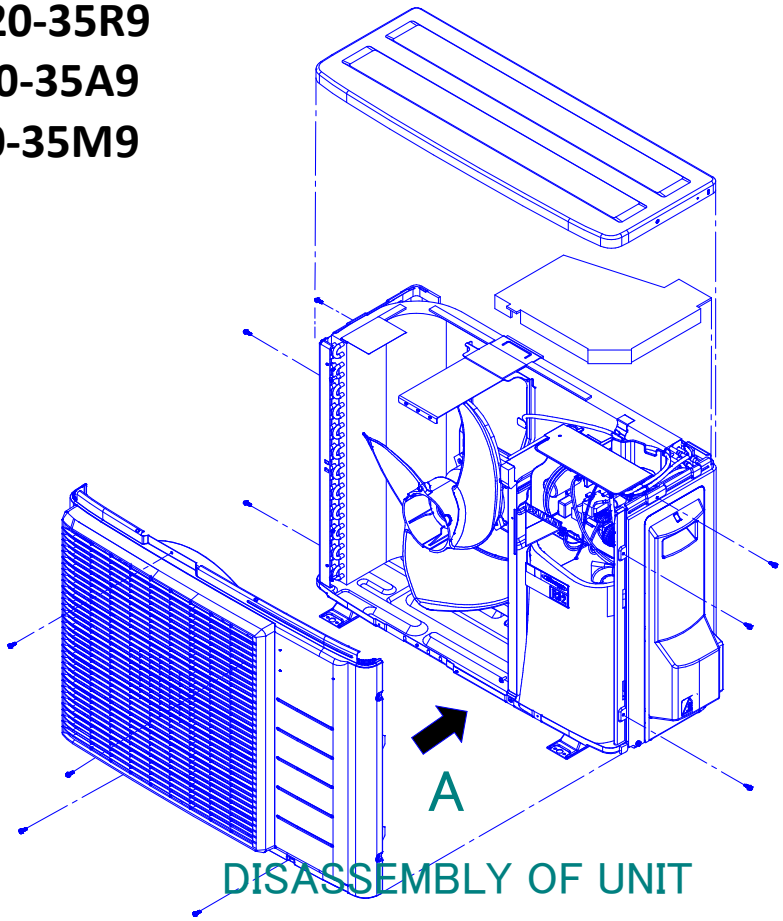
A	B
dBA	49

3D110123A

10 Installation

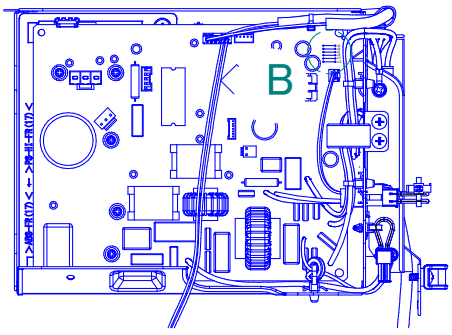
10 - 1 Installation Method

ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9

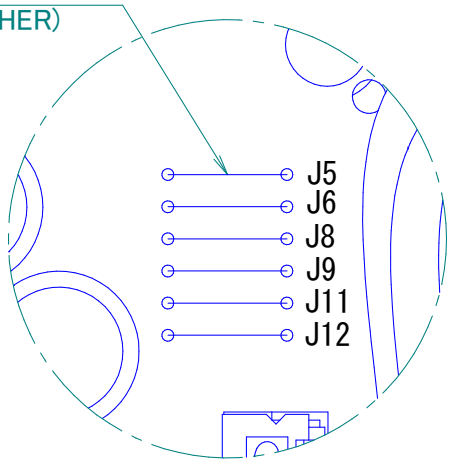


DISASSEMBLY OF UNIT

CUT JUMPER J5 WITH PLIERS
(CUT PARTS SHALL NOT TOUCH EACH OTHER)
(DO NOT DAMAGE OTHER JUMPERS)



ARROW VIEW A
EL. COMPO. ASSY



DETAIL B

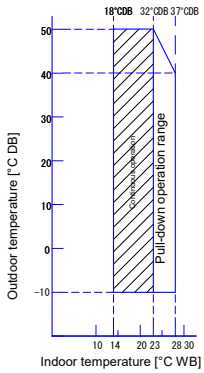
4D133752

11 Operation range

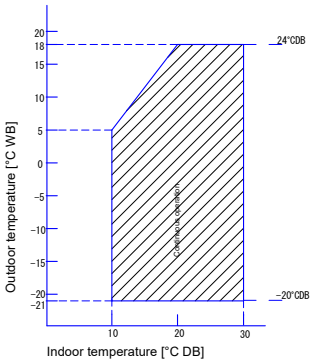
11 - 1 Operation Range

ARXM25-35R9
RXM20-35R9

Cooling



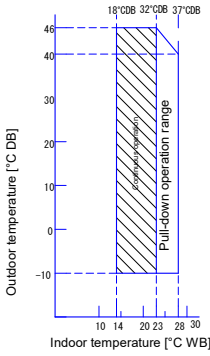
Heating



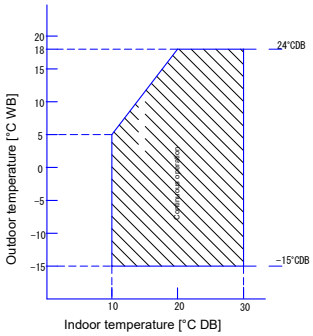
Notes
1. The ·graph· is based on the following conditions.
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
Air flow rate High

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

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

EEDEN23 05/2023

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