Air Conditioning Technical Data

RXM-A

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RXM-A

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1 Features

1 - 1 RXM-A

› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Anti-corrosion treated outdoor heat exchanger fin
› Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
› Outdoor units for pair application
› Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall

Outdoor unit silent operation

2 Specifications

2 - 1 Specifications

Technical specifications				FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A
Cooling capacity			kW		0.90		1.50	1.70
			Btu/h		3,100		5,100	5,800
			kcal/h		774		1,290	1,462
	Nom.		kW	2.00	2.50	3.50	4.20	5.00
	Nom.		Btu/h	6,800	8,500	11,900	14,300	17,100
	Nom.		kcal/h	1,720	2,150	3,009	3,611	4,299
			kW	3.00	3.80	4.40	5.20	5.30
			Btu/h	10,200	13,000	15,000	17,700	18,100
			kcal/h	2,580	3,267	3,783	4,471	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW		0.90		1.50	1.70
	Min.		Btu/h		3,100		5,100	5,800
	Min.		kcal/h		774		1,290	1,462
	Nom.		kW	2.00	2.50	3.50	4.20	5.00
	Nom.		Btu/h	6,800	8,500	11,900	14,300	17,100
	Nom.		kcal/h	1,720	2,150	3,009	3,611	4,299
	Max.		kW	3.00	3.80	4.40	5.20	5.30
	Max.		Btu/h	10,200	13,000	15,000	17,700	18,100
	Max.		kcal/h	2,580	3,267	3,783	4,471	4,557
Heating capacity			kW		0.80		1.50	1.70
			Btu/h		2,700		5,100	5,800
			kcal/h		688		1,290	1,462
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	4.50	5.00	5.50	6.20	6.50
	Max.		Btu/h	15,400	17,100	18,800	21,200	22,200
	Max.		kcal/h	3,869	4,299	4,729	5,331	5,589
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW		0.80		1.50	1.70
	Min.		Btu/h		2,700		5,100	5,800
	Nom.		kW	2.50	2.80	4.00	5.40	5.80
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987
	Max.		kW	4.50	5.00	5.20	5.70	6.50
	Max.		Btu/h	15,400	17,100	17,700	19,400	22,200
	Max.		kcal/h	3,869	4,299	4,471	4,901	5,589
Power input	Cooling		kW	0.37	0.48	0.76	1.00	1.36
Power input	Heating		kW	0.50	0.56	0.88	1.29	1.40
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.37	0.48	0.76	1.00	1.36
	Heating	Nom.	kW	0.50	0.56	0.88	1.29	1.47
Nominal efficiency	EER			5.35	5.20	4.63	4.20	3.68
	COP			5.00		4.55	4.19	4.15
	Annual energy consumption		kWh	187	240	378	500	679
	Energy labeling Directive	Cooling		A				
		Heating		A				
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			5.35	5.20	4.63	4.20	3.68
	COP			5.00		4.55	4.19	3.95
	Annual energy consumption		kWh	187	240	378	500	679
Space cooling	Energy efficiency class			A+++			A++	
	Capacity	Pdesign	kW	2.00	2.50	3.50	4.20	5.00
	SEER			9.47		9.25	8.11	7.80
	Annual energy consumption		kWh/a	74	92	132	181	224
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.00	2.50	3.50	4.20	5.00
	SEER			9.47		9.25	8.11	7.80
	Annual energy consumption		kWh/a	74	92	132	181	224
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.40	2.50	4.00	4.50
	Energy efficiency class			A+++			A++	
	SCOP/A			5.20			5.00	4.80
	SCOPnet/A			5.21			5.01	4.81
	Pdh Heating capacity at -10°		kW	2.30	2.40	2.50	4.00	4.50
	Annual energy consumption		kWh/a	619	647	673	1,120	1,312
	Required back up heating cap at design conditions		kW			0.00		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.40	2.50	4.00	4.40
	SCOP/A			5.20			4.95	4.80
	SCOPnet/A			5.21			5.01	4.86
	Pdh Heating capacity at -10°		kW	2.30	2.40	2.50	3.19	3.50
	Annual energy consumption		kWh/a	619	647	673	1,131	1,283
	Required back up heating cap at design conditions		kW		0.00		0.81	0.90

2 Specifications

2 - 1 Specifications

Technical specifications				FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.30	1.41	2.16	2.43
	Energy efficiency class					A+++		
	SCOP			6.26	6.30	6.39	6.25	5.96
	SCOPnet			6.40	6.43	6.52	6.33	6.08
	Annual energy consumption		kWh/a	277	289	309	484	571
	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	1.41	2.16	2.37
	SCOP			6.26	6.30	6.39	6.25	5.95
	SCOPnet			6.40	6.43	6.52	6.33	6.07
	Annual energy consumption		kWh/a	277	289	309	484	558
	Required back up heating cap at design conditions		kW			0.00		
Space cooling	A Condition	Pdc	kW	2.00	2.50	3.50	4.20	5.00
	(35°C - 27/19)	EERd		5.35	5.20	4.63	4.20	3.68
		Power input	kW	0.37	0.48	0.76	1.00	1.36
	B Condition	Pdc	kW	1.48	1.85	2.58	3.10	3.69
	(30°C - 27/19)	EERd		8.25	7.64	7.23	6.10	5.90
		Power input	kW	0.18	0.24	0.36	0.51	0.63
	C Condition	Pdc	kW	1.20	1.22	1.66	1.99	2.37
	(25°C - 27/19)	EERd		11.89	11.76	11.51	9.88	9.41
		Power input	kW	0.10		0.14	0.20	0.25
	D Condition	Pdc	kW	1.20	1.22	1.25	1.85	1.80
	(20°C - 27/19)	EERd		15.30	14.79	14.30	13.40	13.49
		Power input	kW	0.08		0.09	0.14	0.13
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.00	2.50	3.50	4.20	5.00
	(35°C - 27/19)	EERd		5.35	5.20	4.63	4.20	3.68
		Power input	kW	0.37	0.48	0.76	1.00	1.36
	B Condition	Pdc	kW	1.48	1.85	2.58	3.10	3.69
	(30°C - 27/19)	EERd		8.25	7.64	7.23	6.10	5.90
		Power input	kW	0.18	0.24	0.36	0.51	0.63
	C Condition	Pdc	kW	1.20	1.22	1.66	1.99	2.37
	(25°C - 27/19)	EERd		11.89	11.76	11.51	9.88	9.41
		Power input	kW	0.10		0.14	0.20	0.25
	D Condition	Pdc	kW	1.20	1.22	1.25	1.85	1.80
	(20°C - 27/19)	EERd		15.30	14.79	14.30	13.40	13.49
		Power input	kW	0.08		0.09	0.14	0.13
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C			-10		
		Pdh (declared heating cap)	kW	2.30	2.40	2.50	4.00	4.50
		COPd (declared COP)		3.22	3.20	3.15	2.91	2.78
		Power input	kW	0.71	0.75	0.79	1.37	1.62
	TBivalent	Tbiv (bivalent temperature)	°C			-10		
		Pdh (declared heating cap)	kW	2.30	2.40	2.50	4.00	4.50
		COPd (declared COP)		3.22	3.20	3.15	2.91	2.78
		Power input	kW	0.71	0.75	0.79	1.37	1.62
Space heating (Average climate)	A Condition	Pdh (declared heating cap)	kW	2.04	2.13	2.22	3.54	3.99
	(-7°C)	COPd (declared COP)		3.53	3.49	3.47	3.26	3.07
		Power input	kW	0.58	0.61	0.64	1.09	1.30
	B Condition	Pdh (declared heating cap)	kW	1.24	1.30	1.41	2.16	2.43
	(2°C)	COPd (declared COP)		5.23		5.18	4.98	4.80
		Power input	kW	0.24	0.25	0.27	0.43	0.51
	C Condition	Pdh (declared heating cap)	kW	0.87	0.89	0.95	1.39	1.56
	(7°C)	COPd (declared COP)		6.28	6.31	6.48	6.30	6.13
		Power input	kW	0.14		0.15	0.22	0.25
	D Condition	Pdh (declared heating cap)	kW	0.97		1.05	1.55	1.56
	(12°C)	COPd (declared COP)		7.95		8.00	7.74	7.25
		Power input	kW	0.12		0.13	0.20	0.22

2 Specifications

2 - 1 Specifications

Technical specifications					FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-10				
		Pdh (declared heating cap)		kW	2.30	2.40	2.50	3.19	3.50
		COPd (declared COP)			3.22	3.20	3.15	3.00	2.98
		Power input		kW	0.71	0.75	0.79	1.06	1.17
	TBivalent	Tbiv (bivalent temperature)		°C	-10			-7	
		Pdh (declared heating cap)		kW	2.30	2.40	2.50	3.54	3.90
		COPd (declared COP)			3.22	3.20	3.15	3.22	3.20
		Power input		kW	0.71	0.75	0.79	1.10	1.22
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04	2.13	2.22	3.54	3.90
		COPd (declared COP)			3.53	3.49	3.47	3.22	3.20
		Power input		kW	0.58	0.61	0.64	1.10	1.22
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.37
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.49
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.87	0.89	0.95	1.39	1.56
		COPd (declared COP)			6.28	6.31	6.48	6.30	6.13
		Power input		kW	0.14		0.15	0.22	0.25
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.97		1.05	1.55	1.56
		COPd (declared COP)			7.95		8.00	7.74	7.25
		Power input		kW	0.12		0.13	0.20	0.22
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.51
	TBivalent	Tbiv (bivalent temperature)		°C	2				
Space heating (Warm climate)	TBivalent	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.51
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.51
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.87	0.89	0.95	1.39	1.56
		COPd (declared COP)			6.28	6.31	6.48	6.30	6.13
		Power input		kW	0.14		0.15	0.22	0.25
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.97		1.05	1.55	1.56
		COPd (declared COP)			7.95		8.00	7.74	7.25
		Power input		kW	0.12		0.13	0.20	0.22
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	2				
		Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.51
	TBivalent	Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.37
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.49
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.37
		COPd (declared COP)			5.23		5.18	4.98	4.80
		Power input		kW	0.24	0.25	0.27	0.43	0.49
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.87	0.89	0.95	1.39	1.56
		COPd (declared COP)			6.28	6.31	6.48	6.30	6.13
		Power input		kW	0.14		0.15	0.22	0.25
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.97		1.05	1.55	1.56
		Power input		kW	0.12		0.13	0.20	0.22
		COPd (declared COP)			7.95		8.00	7.74	7.25
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0				
	Off mode	POFF		W	1				
	Standby mode	Cooling	PSB	W	1				
		Heating	PSB	W	1				
	Thermo-stat-off mode	PTO	Cooling	W	7				12
			Heating	W	8				15
Cooling	Cdc (Degradation cooling)				0.25				
Heating	Cdh (Degradation heating)				0.25				
Cooling function included					Yes				
Heating function included					Yes				
Average climate included					Yes				
Cold season included					No				
Warm season included					Yes				

2 Specifications

2 - 1 Specifications

Technical specifications					FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	58			61	62
	Sound power level indoor	Cooling	Nom.	dBA	54		58	60	
	Piping length	Cooling	Measuring condition	m	5				

Electrical specifications				FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A
Power factor	Nominal	Cooling	%	85.75	89.69	97.60	98.31	96.34
		Heating	%	89.58	91.21	98.21	98.87	96.33
Current	Nominal running current (RLA)	Cooling	A	1.9	2.4	3.4	4.5	6.2
	Nominal running current (RLA) - 50Hz	Heating	A	2.5	2.7	3.9	5.7	6.4
Current - 50Hz	Maximum fuse amps (MFA)		A	10	13			16

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

Technical specifications				FBA50A9 + RXM50A
Cooling capacity	Nom.		kW	5.00
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity	Nom.		kW	5.50
	Nom.		Btu/h	18,800
	Nom.		kcal/h	4,729
Power input	Cooling		kW	1.41
	Heating		kW	1.44
Nominal efficiency	EER			3.55
	COP			3.83
	Annual energy consumption		kWh	704
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5.00
	SEER			6.27
	Annual energy consumption		kWh/a	279
Space heating (Average climate)	Capacity	Pdesign	kW	4.40
	Energy efficiency class			A+
	SCOP/A			4.06
	SCOPnet/A			4.08
	Pdh Heating capacity at -10°		kW	3.73
	Annual energy consumption		kWh/a	1,517
	Required back up heating cap at design conditions		kW	0.67
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.37
	Energy efficiency class			A+
	SCOP			4.48
	SCOPnet			4.49
	Annual energy consumption		kWh/a	741
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.55
		Power input	kW	1.41
	B Condition (30°C - 27/19)	Pdc	kW	3.69
Space cooling	B Condition (30°C - 27/19)	EERd		5.26
		Power input	kW	0.70
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		8.41
		Power input	kW	0.28
	D Condition (20°C - 27/19)	Pdc	kW	1.98
		EERd		10.52
		Power input	kW	0.19

2 Specifications

2 - 1 Specifications

Technical specifications					FBA50A9 + RXM50A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.47
		COPd (declared COP)			1.95
		Power input		kW	1.78
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.90
		COPd (declared COP)			3.09
		Power input		kW	1.26
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.90
		COPd (declared COP)			3.09
		Power input		kW	1.26
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.37
		COPd (declared COP)			4.20
		Power input		kW	0.56
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.61
		COPd (declared COP)			4.55
		Power input		kW	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.58
		COPd (declared COP)			5.23
		Power input		kW	0.30
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.47
		COPd (declared COP)			1.95
		Power input		kW	1.78
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.37
		COPd (declared COP)			4.20
		Power input		kW	0.56
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.37
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)			4.20
		Power input		kW	0.56
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.61
		COPd (declared COP)			4.55
		Power input		kW	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.58
		COPd (declared COP)			5.23
		Power input		kW	0.30
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	13
	Standby mode	Cooling	PSB	W	13
		Heating	PSB	W	13
	Thermo-stat-off mode	PTO	Cooling	W	2
			Heating	W	2
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	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			FCAG50B + RXM50A
Cooling capacity	Nom.	kW	5.00
	Nom.	Btu/h	17,100
	Nom.	kcal/h	4,299
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h	-
	Max.	kcal/h	-

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Technical specifications				FCAG50B + RXM50A
Heating capacity	Nom.		kW	6.00
	Nom.		Btu/h	20,500
	Nom.		kcal/h	5,159
Power input	Cooling		kW	1.40
	Heating		kW	1.62
Nominal efficiency	EER			3.58
	COP			3.70
	Annual energy consumption		kWh	698
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5.00
	SEER			6.54
	Annual energy consumption		kWh/a	268
Space heating (Average climate)	Capacity	Pdesign	kW	4.36
	Energy efficiency class			A+
	SCOP/A			4.30
	SCOPnet/A			4.33
	Pdh Heating capacity at -10°		kW	3.86
	Annual energy consumption		kWh/a	1,418
	Required back up heating cap at design conditions		kW	0.50
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.35
	Energy efficiency class			A+++
	SCOP			5.22
	SCOPnet			5.31
	Annual energy consumption		kWh/a	630
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.58
		Power input	kW	1.40
	B Condition (30°C - 27/19)	Pdc	kW	3.69
Space cooling	B Condition (30°C - 27/19)	EERd		5.17
		Power input	kW	0.71
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		8.52
		Power input	kW	0.28
	D Condition (20°C - 27/19)	Pdc	kW	1.87
		EERd		10.69
		Power input	kW	0.17
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	3.86
		COPd (declared COP)		2.04
		Power input	kW	1.89
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.86
		COPd (declared COP)		2.81
		Power input	kW	1.37
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.86
		COPd (declared COP)		2.81
		Power input	kW	1.37
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		4.39
		Power input	kW	0.54
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.54
		COPd (declared COP)		5.31
		Power input	kW	0.29
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.79
		COPd (declared COP)		6.47
		Power input	kW	0.28
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	3.86
		COPd (declared COP)		2.04
		Power input	kW	1.89
	TBivalent	Tbiv (bivalent temperature)	°C	2
		Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		4.39
		Power input	kW	0.54
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.35

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Technical specifications					FCAG50B + RXM50A
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)			4.39
		Power input		kW	0.54
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.54
		COPd (declared COP)			5.31
		Power input		kW	0.29
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.79
		COPd (declared COP)			6.47
		Power input		kW	0.28
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	8
	Standby mode	Cooling	PSB	W	8
		Heating	PSB	W	8
	Thermo-stat-off mode	PTO	Cooling	W	5
			Heating	W	15
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	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			FDXM50F9 + RXM50A
Cooling capacity		kW	1.70
		Btu/h	5,800
		kcal/h	1,462
	Nom.	kW	5.00
	Nom.	Btu/h	17,100
	Nom.	kcal/h	4,299
		kW	5.30
		Btu/h	18,100
		kcal/h	4,557
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h	-
	Max.	kcal/h	-
Heating capacity		kW	1.70
		Btu/h	5,800
		kcal/h	1,500
	Nom.	kW	5.80
	Nom.	Btu/h	19,800
	Nom.	kcal/h	4,987
	Max.	kW	6.00
	Max.	Btu/h	20,500
	Max.	kcal/h	5,159
Power input	Cooling	kW	1.63
	Heating	kW	1.87
Nominal efficiency	EER		3.06
	COP		3.10
	Annual energy consumption	kWh	817
	Energy labeling Directive Cooling		B
	Energy labeling Directive Heating		D
Space cooling	Energy efficiency class		A+
	Capacity Pdesign	kW	5.00
	SEER		5.77
	Annual energy consumption	kWh/a	303

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Technical specifications					FDXM50F9 + RXM50A
Space heating (Average climate)	Capacity	Pdesign		kW	4.00
	Energy efficiency class				A
	SCOP/A				3.93
	SCOPnet/A				3.95
	Pdh Heating capacity at -10°			kW	3.54
Space heating (Average climate)	Annual energy consumption			kWh/a	1,424
	Required back up heating cap at design conditions			kW	0.46
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.16
	Energy efficiency class				A+
	SCOP				4.41
	SCOPnet				4.46
	Annual energy consumption			kWh/a	685
	Required back up heating cap at design conditions			kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	5.00
		EERd			3.06
		Power input		kW	1.63
	B Condition (30°C - 27/19)	Pdc		kW	3.69
		EERd			4.96
		Power input		kW	0.74
	C Condition (25°C - 27/19)	Pdc		kW	2.37
		EERd			8.21
		Power input		kW	0.29
	D Condition (20°C - 27/19)	Pdc		kW	2.26
		EERd			9.47
		Power input		kW	0.24
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			1.89
		Power input		kW	1.87
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			2.87
		Power input		kW	1.23
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			2.87
		Power input		kW	1.23
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.16
		COPd (declared COP)			4.10
		Power input		kW	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.62
		COPd (declared COP)			4.56
		Power input		kW	0.36
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.92
		COPd (declared COP)			5.49
		Power input		kW	0.35
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			1.89
		Power input		kW	1.87
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.16
		COPd (declared COP)			4.10
		Power input		kW	0.53
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.16
		COPd (declared COP)			4.10
		Power input		kW	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.62
		COPd (declared COP)			4.56
		Power input		kW	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.92
		COPd (declared COP)			5.49
		Power input		kW	0.35
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	15
	Standby mode	Cooling	PSB	W	15
		Heating	PSB	W	15
	Thermo-stat-off mode	PTO	Cooling	W	9
			Heating	W	9
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25

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Technical specifications					FDXM50F9 + RXM50A
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	Sound power level indoor	Cooling	Nom.	dBA	55
	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				FFA50A9 + RXM50A
Cooling capacity	Nom.		kW	5.00
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity	Nom.		kW	5.80
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Power input	Cooling		kW	1.54
	Heating		kW	1.66
Nominal efficiency	EER			3.24
	COP			3.49
	Annual energy consumption		kWh	772
	Energy labeling Directive	Cooling		A
		Heating		B
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	5.00
	SEER			5.98
	Annual energy consumption		kWh/a	293
Space heating (Average climate)	Capacity	Pdesign	kW	3.84
	Energy efficiency class			A
	SCOP/A			3.90
	SCOPnet/A			3.92
	Pdh Heating capacity at -10°		kW	3.40
	Annual energy consumption		kWh/a	1,378
	Required back up heating cap at design conditions		kW	0.44
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.09
	Energy efficiency class			A++
	SCOP			4.79
	SCOPnet			4.83
	Annual energy consumption		kWh/a	611
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.24
		Power input	kW	1.54
	B Condition (30°C - 27/19)	Pdc	kW	3.69
Space cooling	B Condition (30°C - 27/19)	EERd		5.38
		Power input	kW	0.69
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		7.85
		Power input	kW	0.30
	D Condition (20°C - 27/19)	Pdc	kW	2.15
		EERd		10.67
		Power input	kW	0.20

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Technical specifications					FFA50A9 + RXM50A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.40
		COPd (declared COP)			1.99
		Power input		kW	1.71
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.40
		COPd (declared COP)			2.62
		Power input		kW	1.30
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.40
		COPd (declared COP)			2.62
		Power input		kW	1.30
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.09
		COPd (declared COP)			3.97
		Power input		kW	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.47
		COPd (declared COP)			4.81
		Power input		kW	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.71
		COPd (declared COP)			5.94
		Power input		kW	0.29
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.40
		COPd (declared COP)			1.99
		Power input		kW	1.71
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.09
		COPd (declared COP)			3.97
		Power input		kW	0.53
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.09
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)			3.97
		Power input		kW	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.47
		COPd (declared COP)			4.81
		Power input		kW	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.71
		COPd (declared COP)			5.94
		Power input		kW	0.29
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	15
	Standby mode	Cooling	PSB	W	15
		Heating	PSB	W	15
	Thermo-stat-off mode	PTO	Cooling	W	7
			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	62
	Sound power level indoor	Cooling	Nom.	dBA	56
	Piping length	Cooling	Measuring condition	m	5.00

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

Technical specifications			FHA50A9 + RXM50A
Cooling capacity	Nom.	kW	5.00
	Nom.	Btu/h	17,100
	Nom.	kcal/h	4,299
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h	-
	Max.	kcal/h	-

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Technical specifications				FHA50A9 + RXM50A
Heating capacity	Nom.		kW	6.00
	Nom.		Btu/h	20,500
	Nom.		kcal/h	5,159
Power input	Cooling		kW	1.56
	Heating		kW	1.79
Nominal efficiency	EER			3.21
	COP			3.35
	Annual energy consumption		kWh	779
	Energy labeling Directive	Cooling		A
		Heating		C
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	5.00
	SEER			5.92
	Annual energy consumption		kWh/a	295
Space heating (Average climate)	Capacity	Pdesign	kW	4.35
	Energy efficiency class			A
	SCOP/A			3.86
	SCOPnet/A			3.88
	Pdh Heating capacity at -10°		kW	3.85
	Annual energy consumption		kWh/a	1,577
	Required back up heating cap at design conditions		kW	0.50
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.35
	Energy efficiency class			A+
	SCOP			4.59
	SCOPnet			4.64
	Annual energy consumption		kWh/a	716
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.21
		Power input	kW	1.56
	B Condition (30°C - 27/19)	Pdc	kW	3.69
Space cooling	B Condition (30°C - 27/19)	EERd		5.04
		Power input	kW	0.73
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		8.25
		Power input	kW	0.29
	D Condition (20°C - 27/19)	Pdc	kW	2.31
		EERd		10.39
		Power input	kW	0.22
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	3.85
		COPd (declared COP)		1.97
		Power input	kW	1.95
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.85
		COPd (declared COP)		2.61
		Power input	kW	1.48
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.85
		COPd (declared COP)		2.61
		Power input	kW	1.48
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		3.95
		Power input	kW	0.59
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.54
		COPd (declared COP)		4.62
		Power input	kW	0.33
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.80
		COPd (declared COP)		5.65
		Power input	kW	0.32
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	3.85
		COPd (declared COP)		1.97
		Power input	kW	1.95
	TBivalent	Tbiv (bivalent temperature)	°C	2
		Pdh (declared heating cap)	kW	2.35
		COPd (declared COP)		3.95
		Power input	kW	0.59
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.35

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Technical specifications					FHA50A9 + RXM50A
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)			3.95
		Power input		kW	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.54
		COPd (declared COP)			4.62
		Power input		kW	0.33
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.80
		COPd (declared COP)			5.65
		Power input		kW	0.32
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	15
	Standby mode	Cooling	PSB	W	15
		Heating	PSB	W	15
	Thermo-stat-off mode	PTO	Cooling	W	10
			Heating	W	10
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	Sound power level indoor	Cooling	Nom.	dBA	54
	Piping length	Cooling	Measuring condition	m	5.00

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

Technical specifications				FNA50A9 + RXM50A
Cooling capacity	Nom.		kW	5.00
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity	Nom.		kW	5.80
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
Power input	Cooling		kW	1.48
	Heating		kW	1.74
Nominal efficiency	EER			3.38
	COP			3.34
	Annual energy consumption		kWh	740
	Energy labeling Directive	Cooling		A
		Heating		C
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	5.00
	SEER			5.77
	Annual energy consumption		kWh/a	303
Space heating (Average climate)	Capacity	Pdesign	kW	4.00
	Energy efficiency class			A+
	SCOP/A			4.09
	SCOPnet/A			4.12
	Pdh Heating capacity at -10°		kW	3.54
	Annual energy consumption		kWh/a	1,368
	Required back up heating cap at design conditions		kW	0.46
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.16
	Energy efficiency class			A++
	SCOP			4.88
	SCOPnet			4.93
	Annual energy consumption		kWh/a	620
	Required back up heating cap at design conditions		kW	0.00

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Technical specifications					FNA50A9 + RXM50A
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	5.00
		EERd			3.38
		Power input		kW	1.48
	B Condition (30°C - 27/19)	Pdc		kW	3.69
Space cooling	B Condition (30°C - 27/19)	EERd			5.02
		Power input		kW	0.74
	C Condition (25°C - 27/19)	Pdc		kW	2.37
		EERd			7.23
		Power input		kW	0.33
	D Condition (20°C - 27/19)	Pdc		kW	1.74
		EERd			10.72
		Power input		kW	0.16
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			1.88
		Power input		kW	1.88
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			2.90
		Power input		kW	1.22
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			2.90
		Power input		kW	1.22
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.16
		COPd (declared COP)			4.13
		Power input		kW	0.52
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.66
		COPd (declared COP)			5.08
		Power input		kW	0.33
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.96
		COPd (declared COP)			6.16
		Power input		kW	0.32
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.54
		COPd (declared COP)			1.88
		Power input		kW	1.88
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.16
		COPd (declared COP)			4.13
		Power input		kW	0.52
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.16
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)			4.13
		Power input		kW	0.52
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.66
		COPd (declared COP)			5.08
		Power input		kW	0.33
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.96
		COPd (declared COP)			6.16
		Power input		kW	0.32
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	15
	Standby mode	Cooling	PSB	W	15
		Heating	PSB	W	15
	Thermo-stat-off mode	PTO	Cooling	W	9
			Heating	W	9
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					FNA50A9 + RXM50A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	Sound power level indoor	Cooling	Nom.	dBA	56
	Piping length	Cooling	Measuring condition	m	5.00

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

Technical specifications				FVXM50A + RXM50A
Cooling capacity			kW	1.40
			Btu/h	4,800
			kcal/h	1,204
	Nom.		kW	5.00
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
			kW	5.80
			Btu/h	19,800
			kcal/h	4,987
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity			kW	1.40
			Btu/h	4,800
			kcal/h	1,200
	Nom.		kW	5.80
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
	Max.		kW	8.10
	Max.		Btu/h	27,600
	Max.		kcal/h	6,965
Power input	Cooling		kW	1.31
	Heating		kW	1.52
Nominal efficiency	EER			3.81
	COP			3.81
	Annual energy consumption		kWh	656
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5.00
	SEER			7.30
	Annual energy consumption		kWh/a	240
Space heating (Average climate)	Capacity	Pdesign	kW	4.10
	Energy efficiency class			A+
	SCOP/A			4.31
	SCOPnet/A			4.35
	Pdh Heating capacity at -10°		kW	3.58
Space heating (Average climate)	Annual energy consumption		kWh/a	1,330
	Required back up heating cap at design conditions		kW	0.52
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A++
	SCOP			4.85
	SCOPnet			4.94
	Annual energy consumption		kWh/a	638
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition	Pdc	kW	5.00
	(35°C - 27/19)	EERd		3.81
		Power input	kW	1.31
	B Condition	Pdc	kW	3.69
	(30°C - 27/19)	EERd		5.49
		Power input	kW	0.67
	C Condition	Pdc	kW	2.37
	(25°C - 27/19)	EERd		8.59
		Power input	kW	0.28
	D Condition	Pdc	kW	2.20
	(20°C - 27/19)	EERd		12.51
		Power input	kW	0.18

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM50A + RXM50A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.49
		COPd (declared COP)			1.82
		Power input		kW	1.92
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.63
		COPd (declared COP)			3.16
		Power input		kW	1.15
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.63
		COPd (declared COP)			3.16
		Power input		kW	1.15
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.49
		COPd (declared COP)			1.82
		Power input		kW	1.92
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	1
	Standby mode	Cooling	PSB	W	1
		Heating	PSB	W	1
	Thermo-stat-off mode	PTO	Cooling	W	7
			Heating	W	15
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	Sound power level indoor	Cooling	Nom.	dBA	61
	Piping length	Cooling	Measuring condition	m	5.00

Electrical specifications				FVXM50A + RXM50A
Power factor	Nominal	Cooling	%	95.9
		Heating	%	96.8
Current	Nominal running current (RLA)	Cooling	A	5.77
	Nominal running current (RLA) - 50Hz	Heating	A	6.76
Current - 50Hz	Maximum fuse amps (MFA)		A	16

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

2 Specifications

2 - 1 Specifications

Technical specifications				FVXM50A9 + RXM50A
Cooling capacity			kW	1.40
			Btu/h	4,800
			kcal/h	1,204
	Nom.		kW	5.00
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
			kW	5.80
			Btu/h	19,800
			kcal/h	4,987
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity			kW	1.40
			Btu/h	4,800
			kcal/h	1,200
	Nom.		kW	5.80
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
	Max.		kW	8.10
	Max.		Btu/h	27,600
	Max.		kcal/h	6,965
Power input	Cooling		kW	1.31
	Heating		kW	1.52
Nominal efficiency	EER			3.81
	COP			3.81
	Annual energy consumption		kWh	656
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5.00
	SEER			7.30
	Annual energy consumption		kWh/a	240
Space heating (Average climate)	Capacity	Pdesign	kW	4.10
	Energy efficiency class			A+
	SCOP/A			4.31
	SCOPnet/A			4.35
	Pdh Heating capacity at -10°		kW	3.58
Space heating (Average climate)	Annual energy consumption		kWh/a	1,330
	Required back up heating cap at design conditions		kW	0.52
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A++
	SCOP			4.85
	SCOPnet			4.94
	Annual energy consumption		kWh/a	638
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.81
		Power input	kW	1.31
	B Condition (30°C - 27/19)	Pdc	kW	3.69
		EERd		5.49
		Power input	kW	0.67
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		8.59
		Power input	kW	0.28
	D Condition (20°C - 27/19)	Pdc	kW	2.20
		EERd		12.51
		Power input	kW	0.18

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM50A9 + RXM50A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.49
		COPd (declared COP)			1.82
		Power input		kW	1.92
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.63
		COPd (declared COP)			3.16
		Power input		kW	1.15
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.63
		COPd (declared COP)			3.16
		Power input		kW	1.15
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	3.49
		COPd (declared COP)			1.82
		Power input		kW	1.92
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
Power consumption in other than active mode	Crankcase heater mode	PCK			W 0
	Off mode	POFF			W 1
	Standby mode	Cooling	PSB		W 1
		Heating	PSB		W 1
	Thermo-stat-off mode	PTO	Cooling		W 7
			Heating		W 15
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.		dBA 62
	Sound power level indoor	Cooling	Nom.		dBA 61
	Piping length	Cooling	Measuring condition		m 5.00

Electrical specifications				FVXM50A9 + RXM50A
Power factor	Nominal	Cooling	%	95.9
		Heating	%	96.8
Current	Nominal running current (RLA)	Cooling	A	5.77
	Nominal running current (RLA) - 50Hz	Heating	A	6.76
Current - 50Hz	Maximum fuse amps (MFA)		A	16

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

2 Specifications

2 - 1 Specifications

Technical Specifications					RXM20A	RXM25A	RXM35A	RXM42A	RXM50A
Casing	Colour				Ivory white				
Dimensions	Unit	Height		mm	610				734
		Width		mm	923				954
		Depth		mm	367				401
	Packed unit	Height		mm	675				820
		Width		mm	1,007				1,050
		Depth		mm	450				480
Weight	Unit			kg		36		40	49
	Packed unit			kg		40		43	53
Packing	Weight			kg	4				
Heat exchanger	Length			mm	869				920
	Rows	Quantity			2				
	Fin pitch			mm	1.40				
	Stages	Quantity			26				32
	Passes	Quantity			4.3				2.2
	Tube type				ø7 Hi-XD				
	Tube material				Copper				
	Tube diameter			mm	7				
	Fin	Type			Waffle fin (PE)				
Fan	Type				Propeller fan				
	Air flow rate	Cooling	High	m^3/min		39.1		40.1	58.0
				cfm		1,381		1,416	2,048
			Nom.	m^3/min	38.5		39.1	40.1	58.0
				cfm	1,360		1,381	1,416	2,048
			Medium	m^3/min		36.5		38.5	56.3
				cfm		1,289		1,360	1,988
			Low	m^3/min	26.4				56.3
				cfm	932				1,988
			Silent operation	m^3/min	26.4				36.6
				cfm	932				1,293
		Heating	High	m^3/min		39.1		40.1	54.7
				cfm		1,381		1,416	1,932
			Nom.	m^3/min	35.0		38.0		54.7
				cfm	1,236		1,342		1,932
			Medium	m^3/min		21.3		35.0	36.6
				cfm		752		1,236	1,293
Fan	Air flow rate	Heating	Low	m^3/min		16.3		26.4	36.6
				cfm		576		932	1,293
Fan motor	Model				DFC05A3VA				D55F-31
	Output			W	50				40
	Speed	Cooling	High	rpm		850		870	760
			Nom.	rpm	840		850	870	760
			Medium	rpm		800		840	740
			Low	rpm	600				740
			Super low	rpm	600				500
		Heating	High	rpm		850		870	720
			Nom.	rpm	770		830		720
			Low	rpm		400		600	500
			Medium	rpm		500		770	500
Compressor	Model				1Y091BKBX1P#D			2YC40JXD#D	
	Oil Amount			cm^3		375		650	
	Type				Hermetically sealed swing compressor				
	Output			W		800		1,300	
	Oil Type				FW68DA				
Operation range	Cooling	Ambient	Min.	°CDB	-10				
			Max.	°CDB	50				50 (1) / 46 (1)
	Heating	Ambient	Min.	°CWB	-21				
				°CDB	-20				-20 (1) / -15 (1)
			Max.	°CWB	18				
				°CDB	24				
Sound power level	Cooling	Max		dBA	61		62		63
		Night quiet mode		dBA		56		58	
		Tonal adjustment		dBA	0				
	Heating	Max		dBA	61		62		63
		Nom.		dBA	58		60	61	62
		Night quiet mode		dBA		56		58	
		Tonal adjustment		dBA	0				

2 Specifications

2 - 1 Specifications

Technical Specifications					RXM20A	RXM25A	RXM35A	RXM42A	RXM50A
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.		dBA	59		60		
		Night quiet mode		dBA	55				
		Tonal adjustment		dBA	0				
	Heating	Max.		dBA	59		60		
		Night quiet mode		dBA	55				
		Tonal adjustment		dBA	0				
Sound pressure level	Cooling	Nom.		dBA	46		47	48	
	Heating	Nom.		dBA	47		49		
Refrigerant	Type				R-32				
	Charge			kg	0.95				1.10
	Control				Expansion valve				
	GWP				675				
Piping connections	Liquid	OD		mm	6.4				
	Gas	OD		mm	9.5				12.7
	Drain	OD		mm	16 (inner diameter of connecting hose)				
	Piping length	OU - IU	Min.	m	1.5				3
			Max.	m	20			30	
		System	Chargeless	m	10				
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m	15			20	
	Heat insulation				Both liquid and gas pipes				
Capacity control	Method				Variable (inverter)				

Standard accessories: Drain joint;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: LOT10 Energy Label;Quantity: 1;

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

Standard accessories: Drain cap (2);Quantity: 1;

Electrical Specifications				RXM20A	RXM25A	RXM35A	RXM42A	RXM50A
Power supply	Name			V1				
	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	10		13		16

(1)See separate drawing for operation range |
See separate drawing for electrical data |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

ARXM25-35A
RXM20-42A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20A5V1B	FTXM20A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,19	10	30,0	2	0,05	0,6	0,02	0,22
		50	230					1,9				
		50	240					1,8				
RXM20A5V1B	FTXM20A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,19	10	30,0	2	0,05	0,6	0,02	0,22
		50	230					1,9				
		50	240					1,8				
RXM25A5V1B	FTXM25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,01	13	38	2,5	0,05	0,6	0,02	0,22
		50	230					2,4				
		50	240					2,3				
RXM25A5V1B	FTXM25A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,01	13	38	2,5	0,05	0,6	0,02	0,22
		50	230					2,4				
		50	240					2,3				
RXM35A5V1B	FTXM35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,11	13	57	3,6	0,05	0,6	0,03	0,31
		50	230					3,4				
		50	240					3,3				
RXM35A5V1B	FTXM35A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,11	13	57	3,6	0,05	0,6	0,03	0,31
		50	230					3,4				
		50	240					3,3				
RXM42A5V1B	FTXM42A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,54	13	46	4,7	0,05	0,6	0,04	0,36
		50	230					4,5				
		50	240					4,3				
RXM42A5V1B	FTXM42A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,54	13	46	4,7	0,05	0,6	0,04	0,36
		50	230					4,5				
		50	240					4,3				
ARXM25A5V1B	ATXM25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,01	13	38	2,5	0,05	0,6	0,02	0,22
		50	230					2,4				
		50	240					2,3				
ARXM25A5V1B	ATXM25A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,01	13	38	2,5	0,05	0,6	0,02	0,22
		50	230					2,4				
		50	240					2,3				
ARXM35A5V1B	ATXM35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,11	13	57	3,7	0,05	0,6	0,03	0,31
		50	230					3,5				
		50	240					3,4				
ARXM35A5V1B	ATXM35A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,11	13	57	3,7	0,05	0,6	0,03	0,31
		50	230					3,5				
		50	240					3,4				

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

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

4D148957

3 Electrical data

3 - 1 Electrical Data

ARXM50A
RXM50A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM50A5V1B	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,28	16	64	6,5	0,06	0,4	0,04	0,4
		50	230					6,2				
		50	240					5,9				
RXM50A5V1B	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,28	16	64	6,5	0,06	0,4	0,04	0,4
		50	230					6,2				
		50	240					5,9				
RXM50A5V1B	FVXM50A3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,04	16	58	5,3	0,06	0,4	0,04	0,1
		50	230					5,1				
		50	240					4,9				
RXM50A5V1B	FVXM50A3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,04	16	58	5,3	0,06	0,4	0,04	0,1
		50	230					5,1				
		50	240					4,9				
RXM50A5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,21	16	58	5,2	0,06	0,4	0,05	0,3
		50	230					5				
		50	240					4,8				
RXM50A5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,42	16	55	5,2	0,06	0,4	0,09	1,4
		50	230					5				
		50	240					4,8				
RXM50A5V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,54	16	64	5,5	0,06	0,4	0,09	0,6
		50	230					5,3				
		50	240					5,2				
RXM50A5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,32	16	62	5,6	0,06	0,4	0,05	0,4
		50	230					5,4				
		50	240					5,3				
RXM50A5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,87	16	55	4,9	0,06	0,4	0,06	0,9
		50	230					4,7				
		50	240					4,5				
RXM50A5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,43	16	55	4,9	0,06	0,4	0,06	0,5
		50	230					4,7				
		50	240					4,5				
ARXM50A5V1B	ATXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,28	16	64	6,7	0,06	0,4	0,04	0,4
		50	230					6,4				
		50	240					6,1				
ARXM50A5V1B	ATXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,28	16	64	6,7	0,06	0,4	0,04	0,4
		50	230					6,4				
		50	240					6,1				
ARXM50A5V1B	ADEA50A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,42	16	55	5,2	0,06	0,4	0,09	1,4
		50	230					5				
		50	240					4,8				

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

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

4D148958

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM20A / RXM20A

Cooling ·50Hz 220 -240V·

AFR	10,3
BF	0,17

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			**35**			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,05	1,90	0,29	1,96	1,86	0,31	1,86	1,81	0,34	1,83	1,80	0,35	1,77	1,77	0,37	1,68	1,68	0,40
16	22	2,14	1,87	0,29	2,05	1,83	0,32	1,95	1,79	0,34	1,92	1,78	0,35	1,86	1,75	0,37	1,77	1,71	0,40
18	25	2,23	2,01	0,29	2,14	1,97	0,32	2,05	1,94	0,35	2,01	1,92	0,36	1,95	1,90	0,37	1,86	1,86	0,40
19	**27**	2,28	2,17	0,29	2,19	2,13	0,32	2,09	2,09	0,35	2,06	2,06	0,36	2,00	2,00	0,37	1,91	1,91	0,40
22	30	2,42	2,11	0,29	2,32	2,08	0,32	2,23	2,05	0,35	2,19	2,03	0,36	2,14	2,02	0,38	2,05	1,99	0,40
24	32	2,51	2,07	0,30	2,42	2,04	0,32	2,32	2,01	0,35	2,29	2,00	0,36	2,23	1,98	0,38	2,14	1,96	0,41

Heating ·50Hz 220 -240V·

AFR	11,4

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,27	0,39	1,59	0,41	1,90	0,43	2,22	0,45	2,60	0,47	2,85	0,48
20	1,17	0,42	1,49	0,44	1,80	0,46	2,12	0,48	2,50	0,50	2,75	0,52
22	1,13	0,43	1,45	0,45	1,76	0,47	2,08	0,49	2,46	0,51	2,71	0,53
24	1,09	0,44	1,41	0,46	1,72	0,48	2,04	0,50	2,42	0,52	2,67	0,54
25	1,07	0,45	1,39	0,47	1,70	0,49	2,02	0,51	2,40	0,53	2,65	0,55
27	1,03	0,46	1,35	0,48	1,66	0,50	1,98	0,52	2,36	0,54	2,61	0,56

Heating capacity at nominal operating frequency, measured according to ·EN14511·.

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	1,82	0,72	2,34	0,81	2,85	0,89	3,37	0,98	3,38	1,06	4,50	1,17	4,91	1,23

Heating capacity at maximum operating frequency, measured according to ·EN14511·.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

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.

4D150084

FTXM25A / RXM25A

Cooling ·50Hz 220 -240V·

AFR	11,9
BF	0,16

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			**35**			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	2,29	0,37	2,44	2,23	0,40	2,33	2,18	0,44	2,28	2,16	0,45	2,21	2,13	0,48	2,10	2,08	0,51
16	22	2,68	2,25	0,37	2,56	2,20	0,41	2,44	2,15	0,44	2,40	2,13	0,46	2,33	2,10	0,48	2,21	2,05	0,51
18	25	2,79	2,41	0,37	2,68	2,36	0,41	2,56	2,32	0,44	2,51	2,30	0,46	2,44	2,27	0,48	2,33	2,23	0,52
19	**27**	2,85	2,59	0,37	2,73	2,55	0,41	2,62	2,50	0,45	2,57	2,48	0,46	2,50	2,46	0,48	2,38	2,38	0,52
22	30	3,02	2,52	0,38	2,91	2,48	0,41	2,79	2,44	0,45	2,74	2,42	0,46	2,67	2,40	0,48	2,56	2,36	0,52
24	32	3,14	2,47	0,38	3,02	2,43	0,42	2,90	2,40	0,45	2,86	2,38	0,46	2,79	2,36	0,49	2,67	2,33	0,52

Heating ·50Hz 220 -240V·

AFR	11,4

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,45	0,44	1,79	0,46	2,14	0,48	2,49	0,50	2,91	0,53	3,18	0,54
20	1,34	0,47	1,69	0,49	2,04	0,51	2,38	0,54	2,80	0,56	3,08	0,58
22	1,30	0,49	1,65	0,51	1,99	0,53	2,34	0,55	2,76	0,57	3,04	0,59
24	1,26	0,50	1,61	0,52	1,95	0,54	2,30	0,56	2,72	0,59	2,99	0,60
25	1,24	0,51	1,58	0,53	1,93	0,55	2,28	0,57	2,69	0,60	2,97	0,61
27	1,20	0,52	1,54	0,54	1,89	0,56	2,24	0,58	2,65	0,61	2,93	0,63

Heating capacity at nominal operating frequency, measured according to ·EN14511·.

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,06	0,83	2,63	0,93	3,19	1,03	3,38	1,13	3,77	1,23	5,00	1,36	5,45	1,44

Heating capacity at maximum operating frequency, measured according to ·EN14511·.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

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.

4D150085

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM35A / RXM35A

Cooling ·50Hz 220 -240V·

AFR	13,2
BF	0,23

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			**35**			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,59	2,79	0,58	3,42	2,71	0,64	3,26	2,63	0,69	3,19	2,60	0,71	3,10	2,55	0,75	2,93	2,48	0,80
16	22	3,75	2,74	0,58	3,58	2,67	0,64	3,42	2,59	0,70	3,36	2,57	0,72	3,26	2,52	0,75	3,10	2,45	0,81
18	25	3,91	2,89	0,59	3,75	2,82	0,64	3,58	2,75	0,70	3,52	2,73	0,72	3,42	2,69	0,75	3,26	2,62	0,81
19	**27**	3,99	3,07	0,59	3,83	3,00	0,64	3,66	2,93	0,70	3,60	2,91	0,72	3,50	2,87	0,76	3,34	2,81	0,81
22	30	4,23	2,96	0,59	4,07	2,91	0,65	3,90	2,85	0,71	3,84	2,82	0,73	3,74	2,79	0,76	3,58	2,73	0,82
24	32	4,39	2,89	0,60	4,23	2,84	0,65	4,07	2,79	0,71	4,00	2,76	0,73	3,90	2,73	0,76	3,74	2,68	0,82

Heating ·50Hz 220 -240V·

AFR	11,1

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,18	0,69	2,63	0,72	3,08	0,74	3,08	0,77	4,08	0,80	4,44	0,83
20	2,10	0,77	2,55	0,79	3,00	0,82	3,01	0,85	4,00	0,88	4,36	0,90
22	2,07	0,80	2,52	0,82	2,97	0,85	2,99	0,88	3,97	0,91	4,33	0,93
24	2,04	0,83	2,49	0,85	2,94	0,88	2,96	0,91	3,94	0,94	4,30	0,96
25	2,02	0,84	2,47	0,87	2,92	0,89	2,94	0,92	3,92	0,95	4,28	0,98
27	1,99	0,87	2,44	0,90	2,89	0,92	2,92	0,95	3,89	0,98	4,25	1,01

Heating capacity at nominal operating frequency, measured according to ·EN14511·.

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,12	0,85	2,77	0,98	3,42	1,11	3,55	1,24	4,12	1,37	5,50	1,52	6,02	1,62

Heating capacity at maximum operating frequency, measured according to ·EN14511·.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

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.

4D150086

FTXM42A / RXM42A

Cooling ·50Hz 220 -240V·

AFR	13,3
BF	0,26

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			**35**			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,04	2,98	0,72	4,04	2,98	0,83	3,91	2,92	0,92	3,83	2,88	0,94	3,72	2,82	0,99	3,52	2,72	1,06
16	22	4,50	3,06	0,77	4,30	2,97	0,85	4,11	2,87	0,92	4,03	2,84	0,95	3,91	2,78	0,99	3,71	2,69	1,07
18	25	4,69	3,19	0,78	4,49	3,11	0,85	4,30	3,02	0,92	4,22	2,99	0,95	4,10	2,93	1,00	3,91	2,85	1,07
19	**27**	4,79	3,36	0,78	4,59	3,27	0,85	4,40	3,19	0,93	4,32	3,16	0,96	4,20	3,11	1,00	4,00	3,03	1,07
22	30	5,08	3,23	0,78	4,88	3,16	0,86	4,69	3,08	0,93	4,61	3,06	0,96	4,49	3,01	1,01	4,29	2,94	1,08
24	32	5,27	3,14	0,79	5,07	3,08	0,86	4,88	3,01	0,94	4,80	2,98	0,97	4,68	2,94	1,01	4,49	2,88	1,08

Heating ·50Hz 220 -240V·

AFR	14,0

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,77	0,88	3,43	0,96	3,69	1,04	4,10	1,12	5,56	1,21	6,09	1,28
20	2,61	0,95	3,27	1,03	3,55	1,11	3,96	1,19	5,40	1,29	5,93	1,35
22	2,55	0,98	3,21	1,06	3,49	1,14	3,90	1,22	5,34	1,32	5,87	1,38
24	2,48	1,01	3,15	1,09	3,43	1,17	3,85	1,25	5,27	1,35	5,80	1,41
25	2,45	1,03	3,11	1,11	3,40	1,19	3,82	1,27	5,24	1,36	5,77	1,43
27	2,39	1,06	3,05	1,14	3,34	1,22	3,77	1,30	5,18	1,39	5,71	1,46

Heating capacity at nominal operating frequency, measured according to ·EN14511·.

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,36	1,02	3,10	1,13	3,84	1,24	3,94	1,34	4,57	1,45	6,20	1,59	6,79	1,67

Heating capacity at maximum operating frequency, measured according to ·EN14511·.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

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.

4D150087

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50A / RXM50A

Cooling ·50Hz 220 -240V·

AFR	12,7
BF	0,23

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			**35**			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,00	2,95	0,70	4,00	2,95	0,82	4,00	2,95	0,95	4,00	2,95	1,01	4,00	2,95	1,11	4,00	2,95	1,32
16	22	5,08	3,35	0,96	5,08	3,35	1,13	4,89	3,25	1,25	4,79	3,20	1,29	4,65	3,13	1,35	4,42	3,02	1,45
18	25	5,58	3,60	1,05	5,35	3,49	1,15	5,12	3,38	1,26	5,02	3,34	1,30	4,88	3,27	1,36	4,65	3,17	1,46
19	**27**	5,70	3,76	1,06	5,47	3,65	1,16	5,23	3,54	1,26	5,14	3,50	1,30	5,00	3,44	1,36	4,77	3,34	1,46
22	30	6,04	3,61	1,07	5,81	3,51	1,17	5,58	3,42	1,27	5,49	3,38	1,31	5,35	3,33	1,37	5,11	3,24	1,47
24	32	6,27	3,50	1,07	6,04	3,41	1,17	5,81	3,33	1,27	5,72	3,29	1,31	5,58	3,24	1,37	5,34	3,16	1,47

Heating ·50Hz 220 -240V·

AFR	14,5

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,95	0,98	3,68	1,07	3,83	1,15	4,45	1,24	5,99	1,35	6,57	1,41
20	2,76	1,03	3,48	1,12	3,66	1,21	4,29	1,29	5,80	1,40	6,38	1,47
22	2,68	1,05	3,41	1,14	3,59	1,23	4,22	1,31	5,72	1,42	6,30	1,49
24	2,61	1,08	3,33	1,16	4,05	1,25	4,15	1,34	5,65	1,44	6,22	1,51
25	2,57	1,09	3,29	1,17	4,01	1,26	4,12	1,35	5,61	1,45	6,19	1,52
27	2,49	1,11	3,21	1,19	3,94	1,28	4,05	1,37	5,53	1,47	6,11	1,54

Heating capacity at nominal operating frequency, measured according to ·EN14511·.

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	3,20	1,41	3,84	1,47	4,47	1,53	4,44	1,58	4,99	1,64	6,50	1,71	7,01	1,76

Heating capacity at maximum operating frequency, measured according to ·EN14511·.

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	Dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

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.

4D150088

FCAG50B / RXM50A

Cooling ·50· Hz ·220 - 240· V

AFR	12,6
BF	0,22

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

AFR	12,6

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D110076E

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM50F9 / RXM50A

AFR	15,8
BF	0,11

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,38	3,24	1,15	4,38	3,24	1,30	4,38	3,24	1,46	4,38	3,24	1,53	4,38	3,24	1,61	4,17	3,13	1,75
16,0	22	5,35	3,56	1,27	5,12	3,44	1,40	4,89	3,33	1,52	4,79	3,28	1,57	4,65	3,22	1,62	4,37	3,08	1,75
18,0	25	5,58	3,70	1,28	5,35	3,59	1,40	5,12	3,48	1,52	5,02	3,44	1,57	4,88	3,38	1,63	4,58	3,24	1,75
19,0	27	5,70	3,87	1,28	5,47	3,76	1,41	5,23	3,66	1,53	5,14	3,62	1,58	5,00	3,56	1,63	4,68	3,42	1,75
22,0	30	6,04	3,72	1,30	5,81	3,63	1,42	5,58	3,54	1,54	5,49	3,50	1,59	5,35	3,45	1,65	4,97	3,31	1,75
24,0	32	6,27	3,61	1,30	6,04	3,53	1,42	5,81	3,45	1,55	5,72	3,41	1,60	5,58	3,36	1,66	5,17	3,22	1,75

AFR	15,8

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D110080D

FFA50A9 / RXM50A

AFR	12,7
BF	0,16

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,14	3,06	1,03	4,14	3,06	1,17	4,14	3,06	1,32	4,14	3,06	1,38	4,14	3,06	1,47	4,14	3,06	1,63
16,0	22	5,26	3,46	1,18	5,12	3,39	1,30	4,89	3,27	1,42	4,79	3,23	1,46	4,65	3,16	1,53	4,42	3,05	1,65
18,0	25	5,58	3,64	1,20	5,35	3,53	1,31	5,12	3,42	1,43	5,02	3,37	1,47	4,88	3,31	1,54	4,65	3,21	1,65
19,0	27	5,70	3,80	1,20	5,47	3,69	1,31	5,23	3,59	1,43	5,14	3,54	1,47	5,00	3,48	1,54	4,77	3,38	1,66
22,0	30	6,04	3,65	1,21	5,81	3,55	1,33	5,58	3,46	1,44	5,49	3,42	1,48	5,35	3,37	1,55	5,11	3,28	1,67
24,0	32	6,27	3,54	1,22	6,04	3,45	1,33	5,81	3,37	1,45	5,72	3,34	1,49	5,58	3,29	1,56	5,34	3,20	1,67

AFR	12,7

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D110085D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA50A9 / RXM50A

AFR	15,0
BF	0,18

Cooling ·50· Hz ·220 - 240· V

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

AFR	15,0

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D110087E

FNA50A9 / RXM50A

AFR	16,0
BF	0,12

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,94	1,13	4,89	3,83	1,24	4,66	3,71	1,35	4,56	3,67	1,40	4,42	3,60	1,46	4,19	3,49	1,57
16,0	22	5,35	3,87	1,14	5,12	3,77	1,25	4,89	3,66	1,36	4,79	3,62	1,40	4,65	3,56	1,47	4,42	3,45	1,58
18,0	25	5,58	4,08	1,15	5,35	3,98	1,26	5,12	3,88	1,37	5,02	3,84	1,41	4,88	3,78	1,48	4,65	3,69	1,59
19,0	27	5,70	4,32	1,15	5,47	4,22	1,26	5,23	4,13	1,37	5,14	4,09	1,41	5,00	4,04	1,48	4,77	3,94	1,59
22,0	30	6,04	4,17	1,16	5,81	4,09	1,27	5,58	4,00	1,38	5,49	3,97	1,42	5,35	3,92	1,49	5,11	3,84	1,60
24,0	32	6,27	4,07	1,17	6,04	3,99	1,28	5,81	3,92	1,39	5,72	3,89	1,43	5,58	3,84	1,50	5,34	3,77	1,60

AFR	16,0

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D110091D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXM50A / RXM50A
FVXM50A9 / RXM50A

AFR	11,6
BF	0,11

Cooling ·50· Hz ·220 - 240· V

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

AFR	12,8

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,44	0,95	3,26	1,07	4,07	1,19	4,05	1,31	6,02	1,47	6,51	1,54
20,0	2,22	1,01	3,04	1,12	3,85	1,24	3,86	1,36	5,80	1,52	6,29	1,59
22,0	2,13	1,03	2,95	1,14	3,76	1,26	3,79	1,38	5,71	1,55	6,20	1,61
24,0	2,05	1,05	2,86	1,16	3,67	1,28	3,72	1,40	5,62	1,56	6,11	1,63
25,0	2,00	1,06	2,82	1,17	3,63	1,29	3,68	1,41	5,58	1,57	6,07	1,64
27,0	1,91	1,08	2,73	1,20	3,54	1,31	3,61	1,43	5,49	1,58	5,98	1,67

Symbols

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

Notes

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.

4D134323B

FBA50A9 / RXM50A

AFR	15,0
BF	0,13

Cooling ·50· Hz ·220 - 240· V

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

AFR	15,0

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

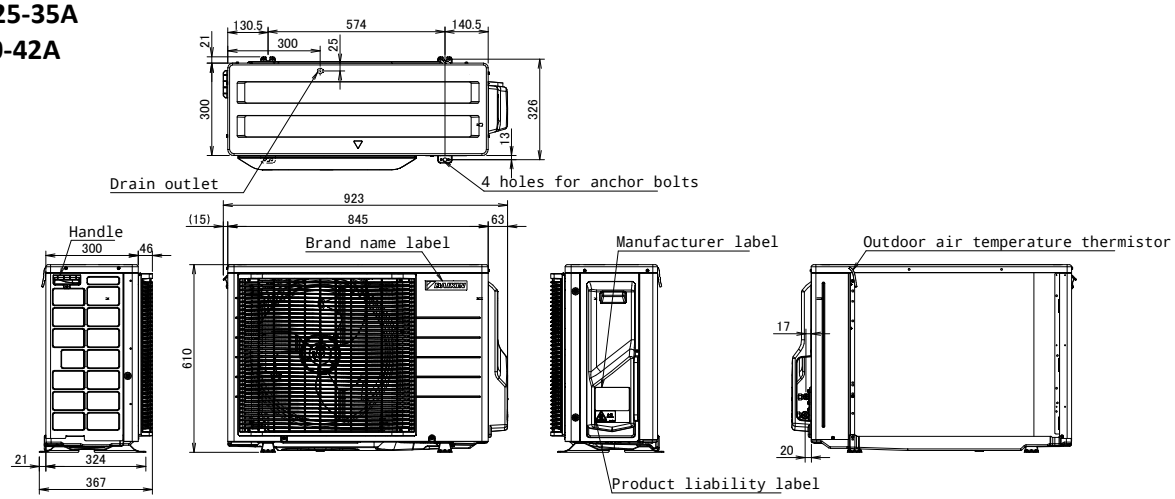
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures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

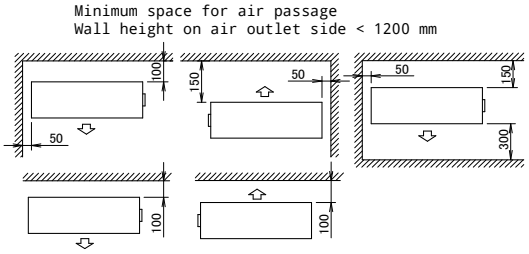
3D110073D

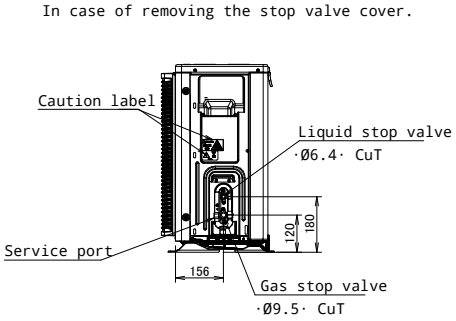
5 Dimensional drawings

5 - 1 Dimensional Drawings

ARXM25-35A
RXM20-42A







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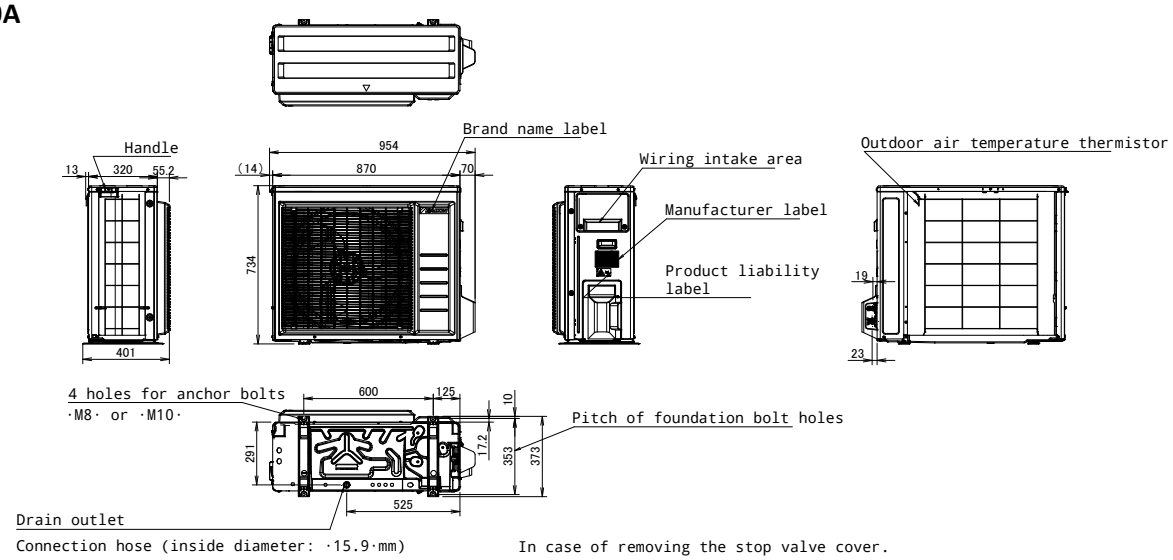
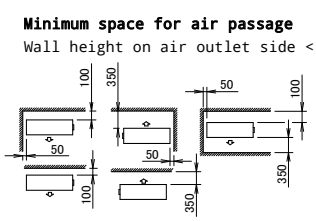
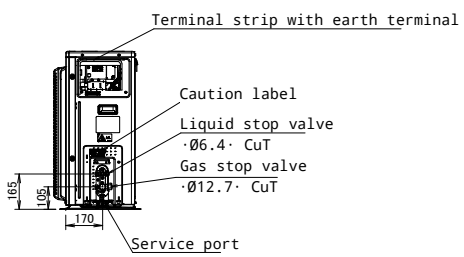
ARXM50A
RXM50A







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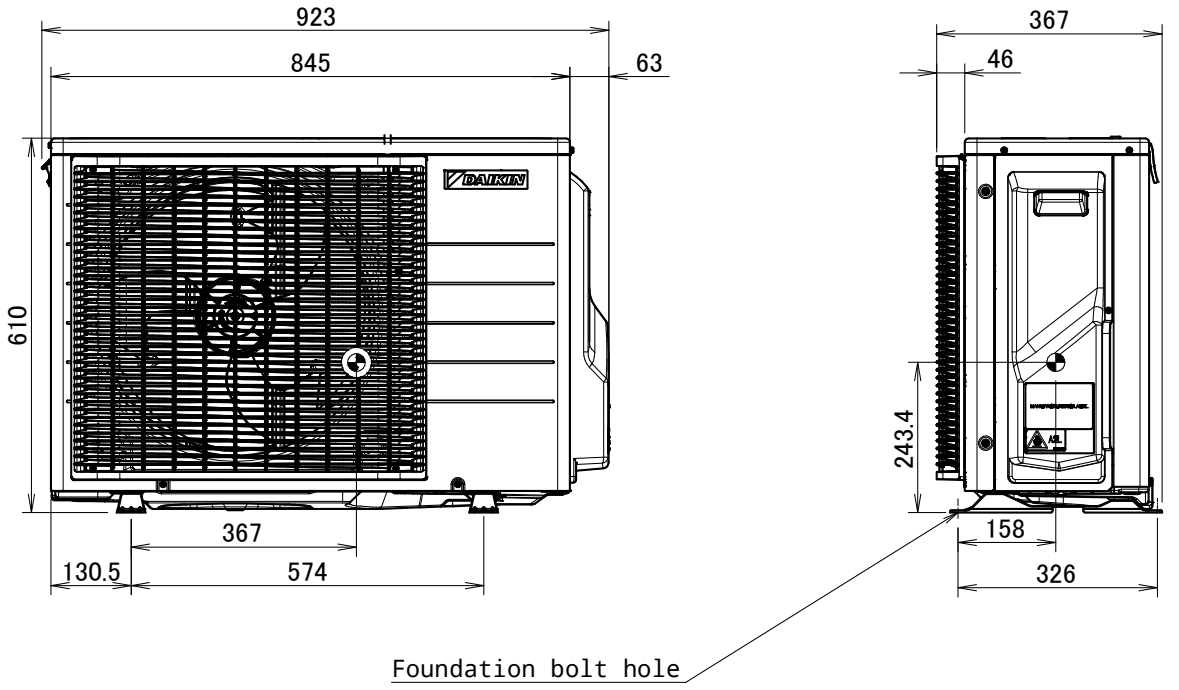
6 Centre of gravity

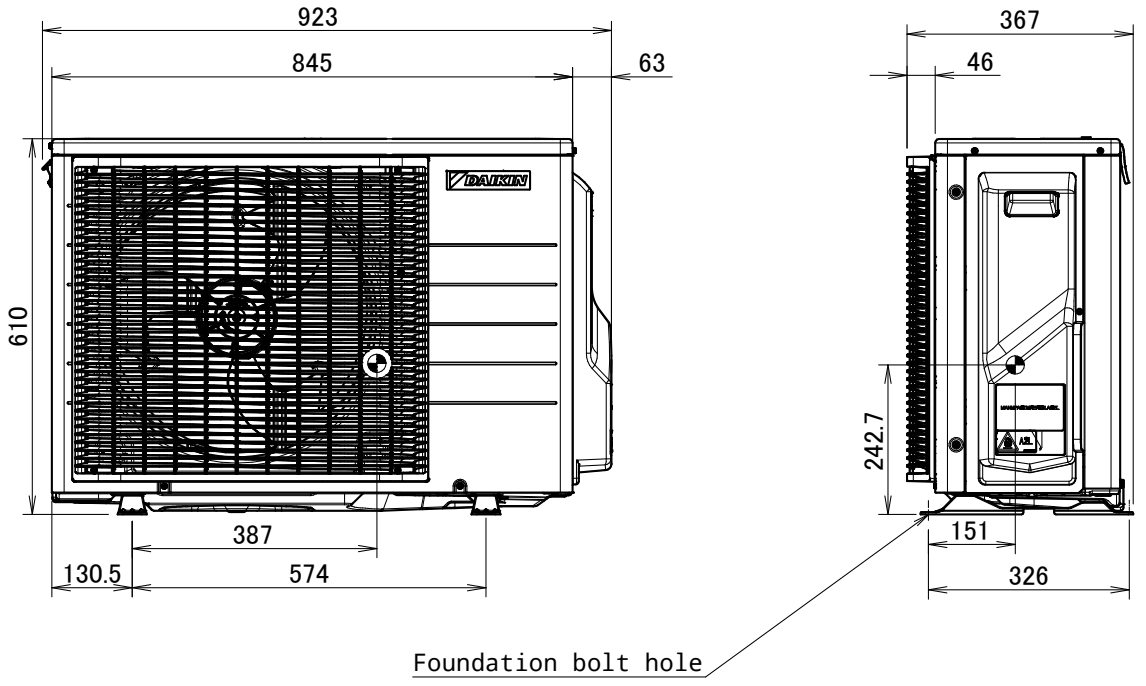
6 - 1 Centre of Gravity

ARXM25-35A
RXM20-35A



4D148194

RXM42A

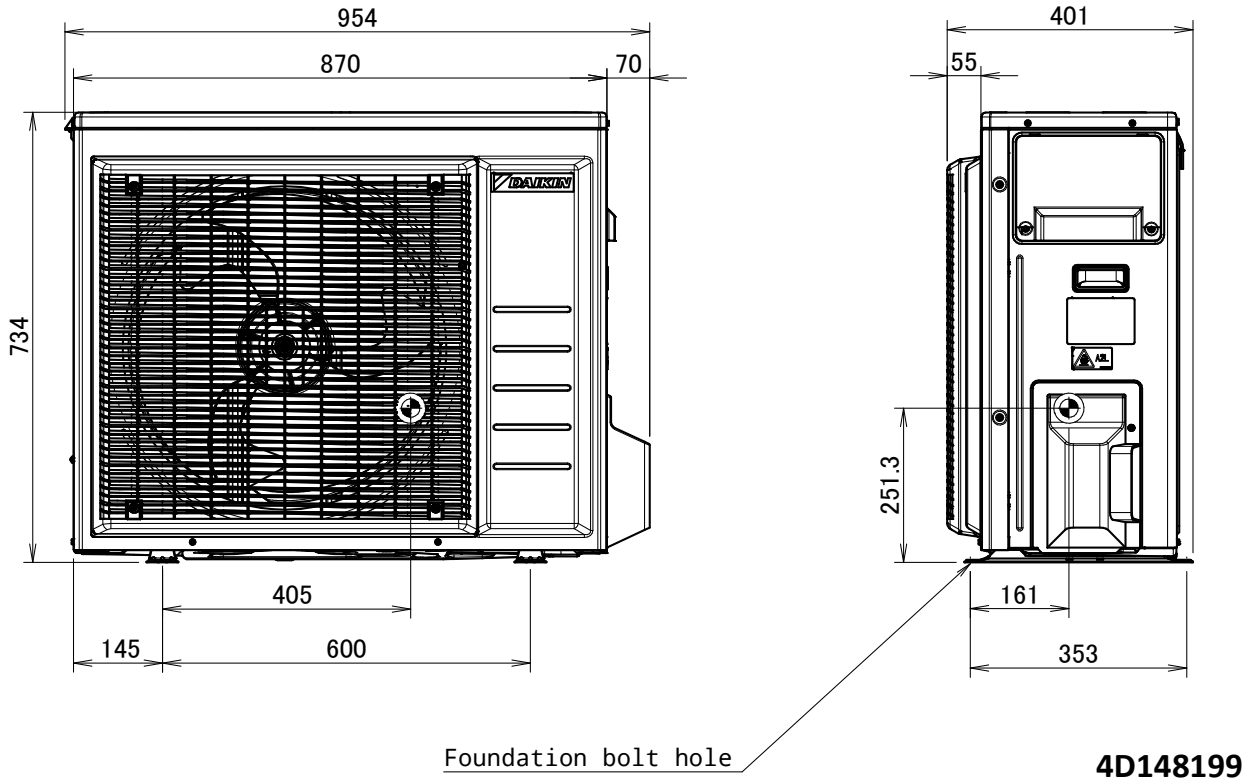


4D148193

6 Centre of gravity

6 - 1 Centre of Gravity

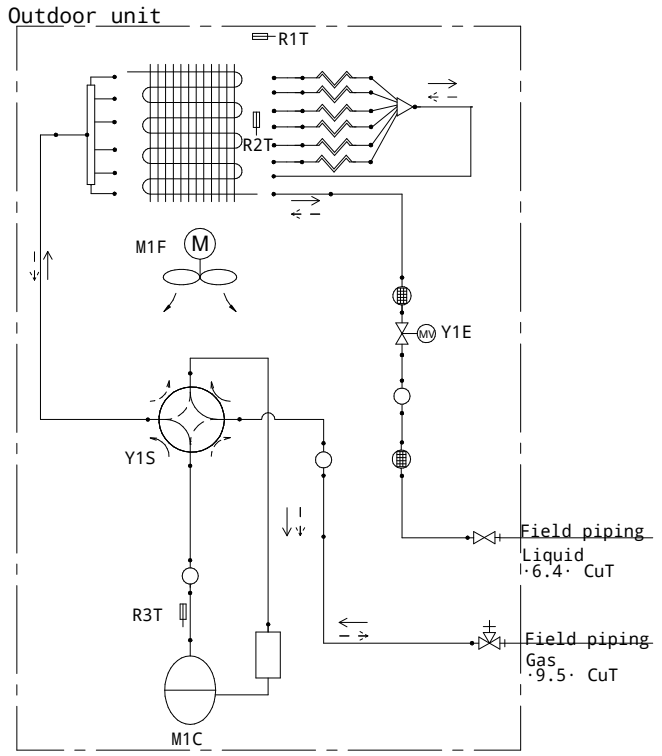
ARXM50A
RXM50A



7 Piping diagrams

7 - 1 Piping Diagrams

ARXM25-35A
RXM20-35A



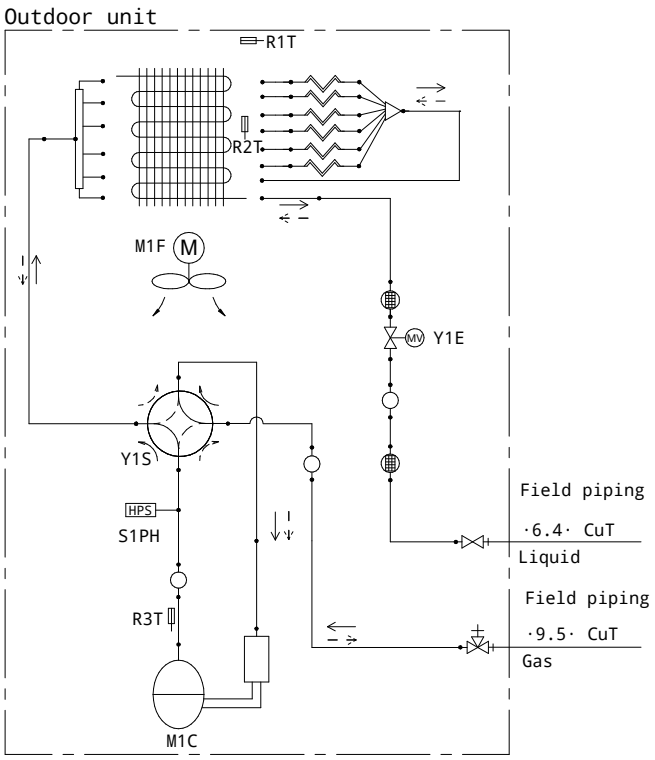
Legend

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

Refrigerant flow
→ Cooling
– ⇢ Heating

3D147593

RXM42A



Legend

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

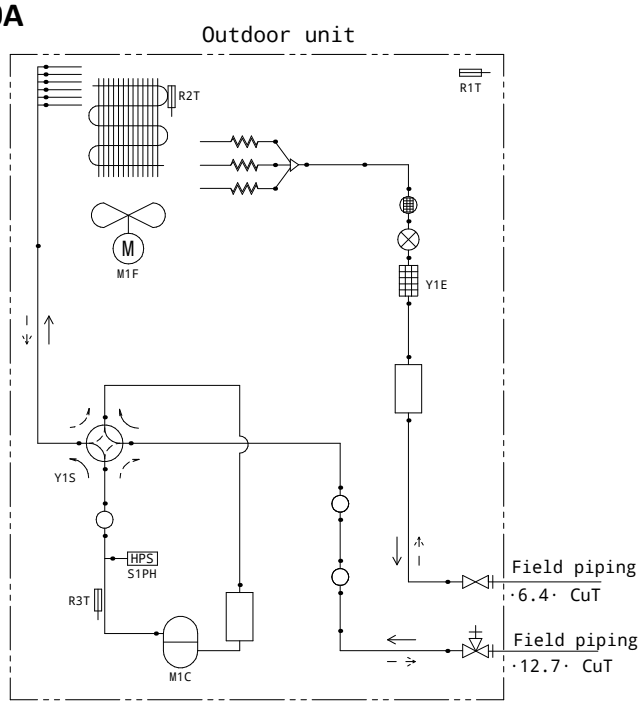
Refrigerant flow
→ Cooling
– ⇢ Heating

3D147621

7 Piping diagrams

7 - 1 Piping Diagrams

ARXM50A
RXM50A



Legend

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

Refrigerant flow

- Cooling
- Heating

3D128943A

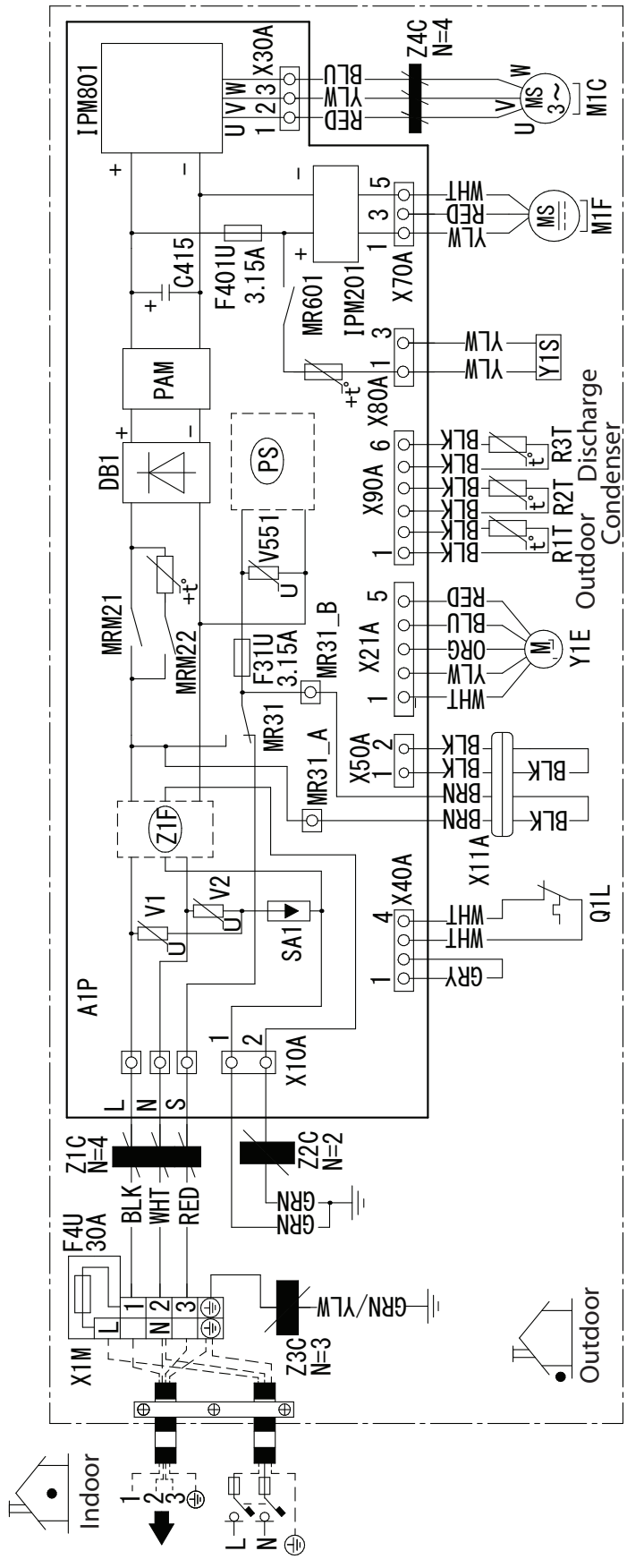
8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

ARXM25-35A
RXM20-35A

Wiring diagram

For the power requirements, refer to the nameplate



A1P	Printed circuit board
C415	Capacitor
DB1	Diode bridge
IPM201, IPM801	Intelligent power module
L	Live
M1C	Compressor motor
M1F	Fan motor
N	Neutral
PAM	Pulse-amplitude modulation
PS	Switching power supply
Q1L	Overload protector
SA1	Surge arrestor
X1M	Terminal strip
Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
F4U, F31U, F401U	Fuse
MRM21, MRM22, MR31, MR601,	Magnetic relay
R1T, R2T, R3T	Thermistor
X10A, X11A, X21A, X30A, X40A, X50A, X70A, X80A, X90A	Connector
V1, V2, V551	Varistor
Z1C, Z2C, Z3C, Z4C	Ferrite core
S, MR31_A, MR31_B	Connection
Z1F	Noise filter

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

: Field wiring

4D147369

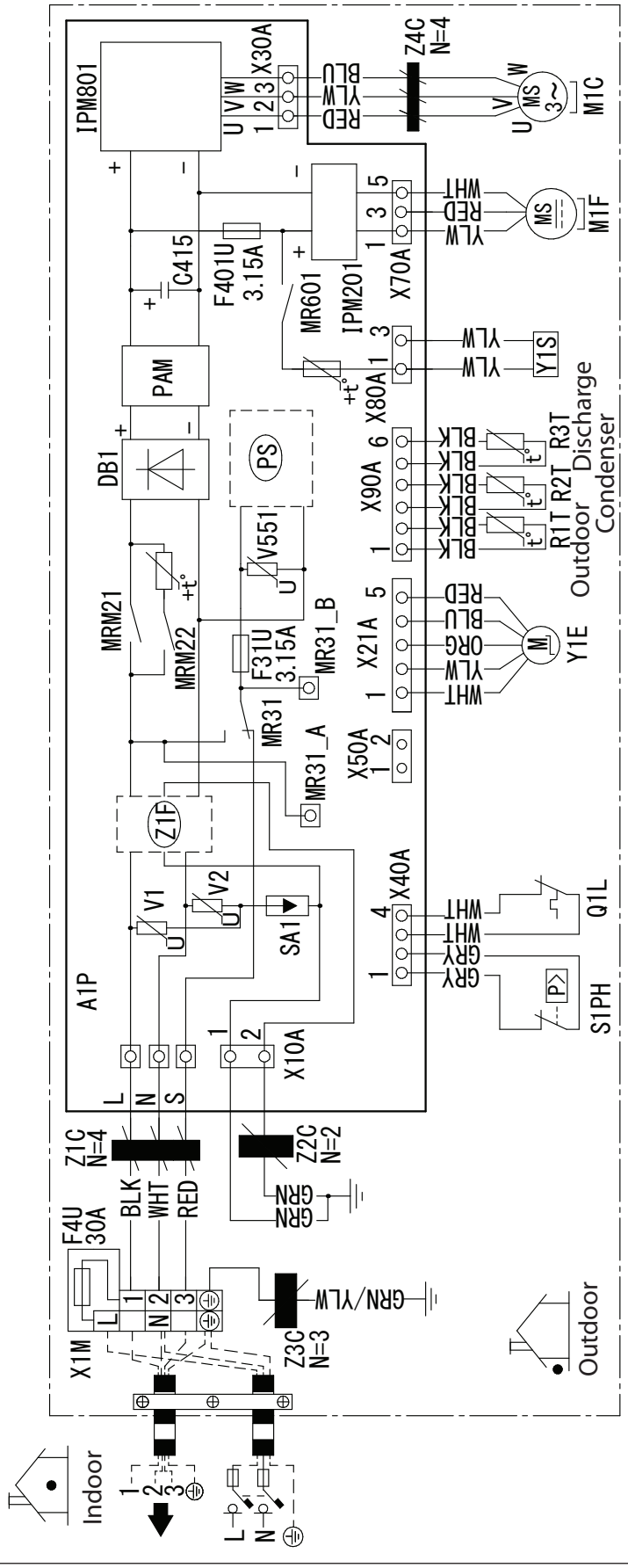
8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

RXM42A

Wiring diagram

For the power requirements, refer to the nameplate



A1P	Printed circuit board
C415	Capacitor
DB1	Diode bridge
IPM201, IPM801	Intelligent power module
L	Live
M1C	Compressor motor
M1F	Fan motor
N	Neutral
PAM	Pulse-amplitude modulation
PS	Switching power supply
Q1L	Overload protector
S1PH	High pressure switch
SA1	Surge arrestor
X1M	Terminal strip
Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
F4U, F31U, F401U	Fuse
MRM21, MRM22, MR31, MR601,	Magnetic relay
R1T, R2T, R3T	Thermistor
X10A, X21A, X30A, X40A, X50A, X70A, X80A, X90A	Connector
V1, V2, V551	Varistor
Z1C, Z2C, Z3C, Z4C	Ferrite core
S, MR31_A, MR31_B	Connection
Z1F	Noise filter

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

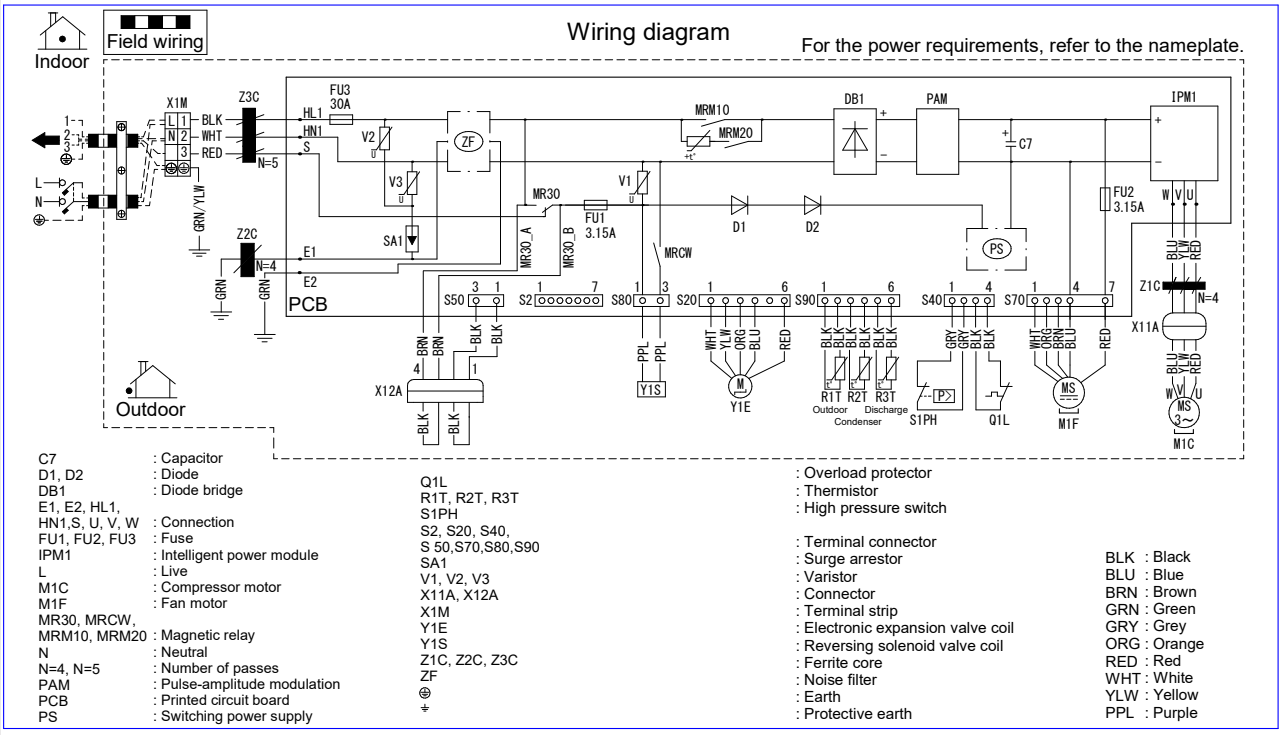
: Field wiring

4D147370B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

ARXM50A
RXM50A



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

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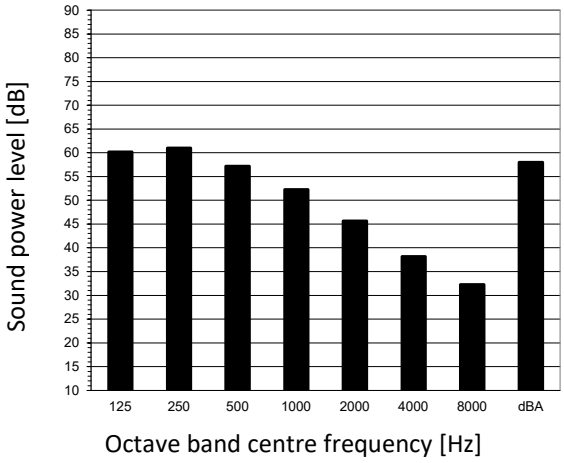
9 Sound data

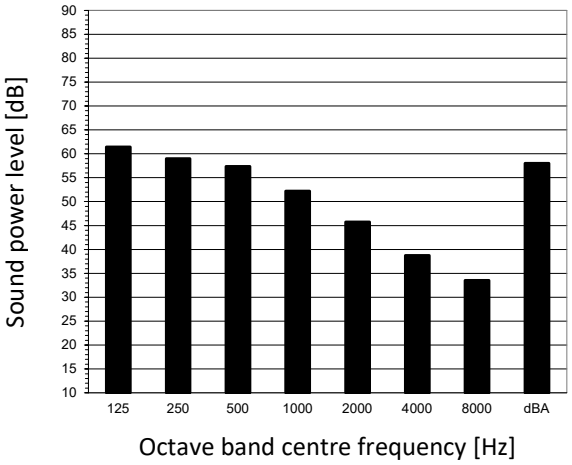
9 - 1 Sound Power Spectrum

RXM20A

Cooling



Heating



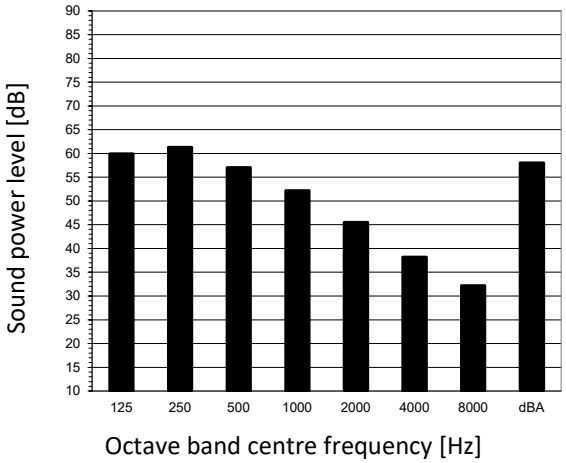
Fan speed: High

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

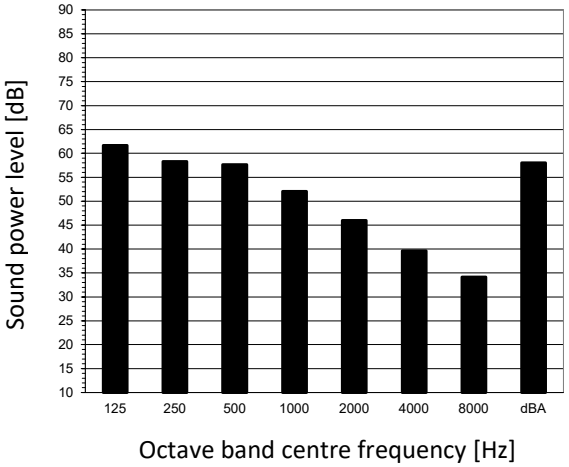
4D148770

ARXM25A
RXM25A

Cooling



Heating



Fan speed: High

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

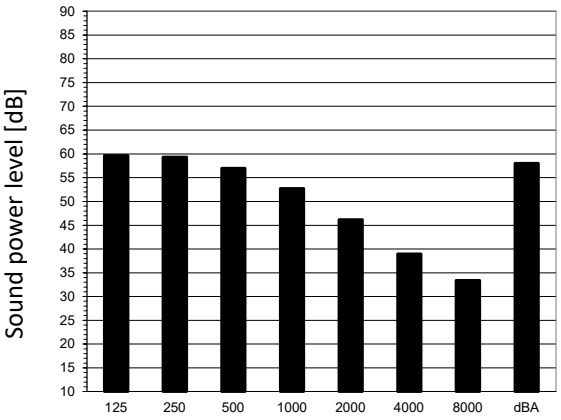
4D148790

9 Sound data

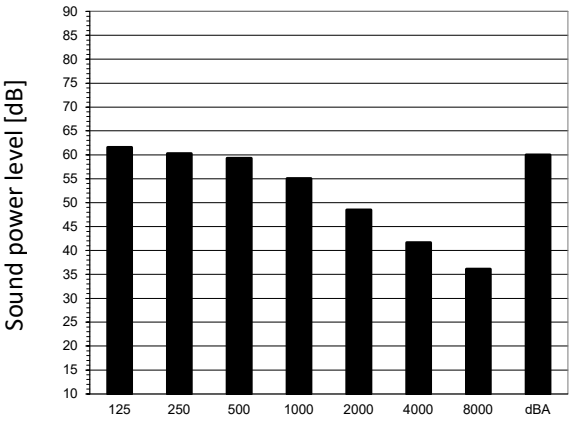
9 - 1 Sound Power Spectrum

ARXM35A
RXM35A

Cooling



Heating



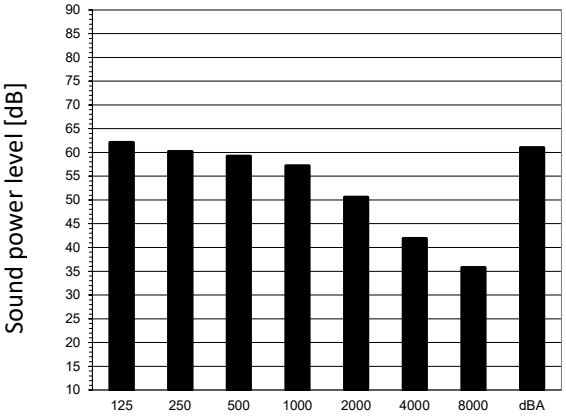
Fan speed: High

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

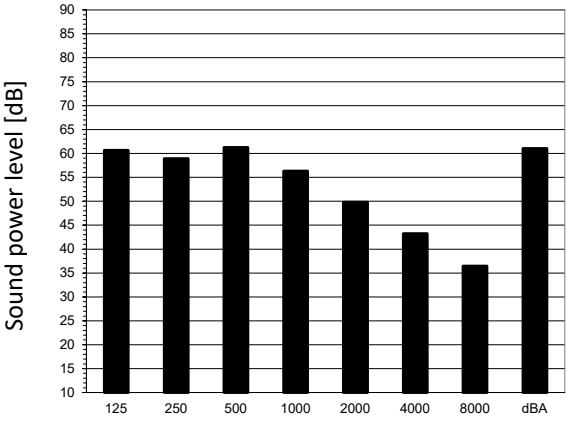
4D148795

RXM42A

Cooling



Heating



Fan speed: High

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

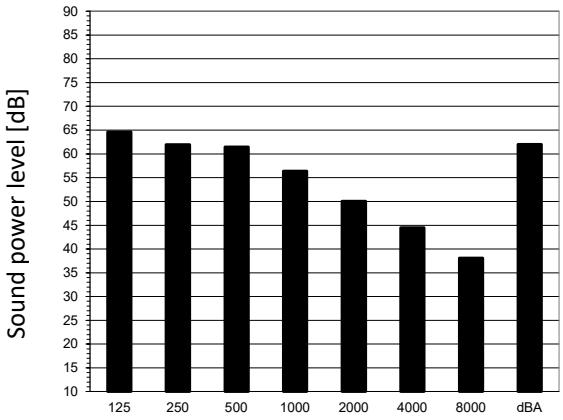
4D148793

9 Sound data

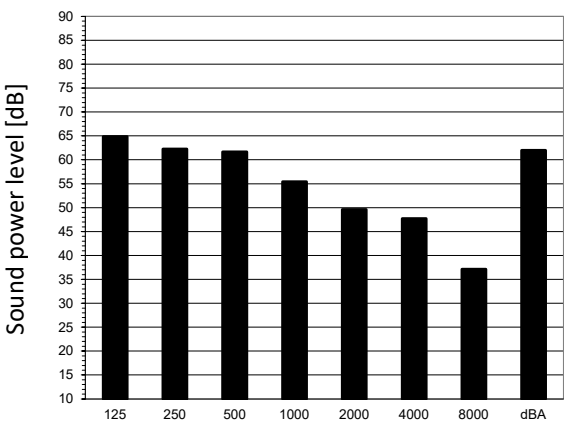
9 - 1 Sound Power Spectrum

ARXM50A
RXM50A

Cooling



Heating



Fan speed: High

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

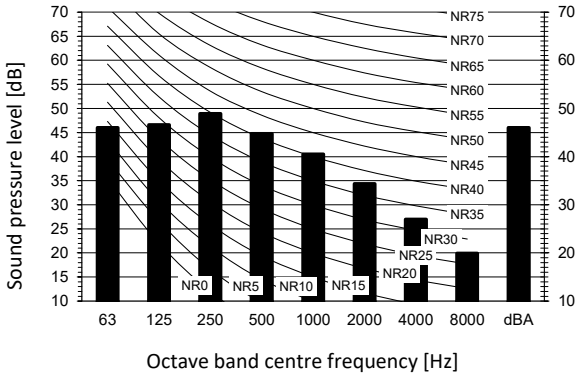
4D148792

9 Sound data

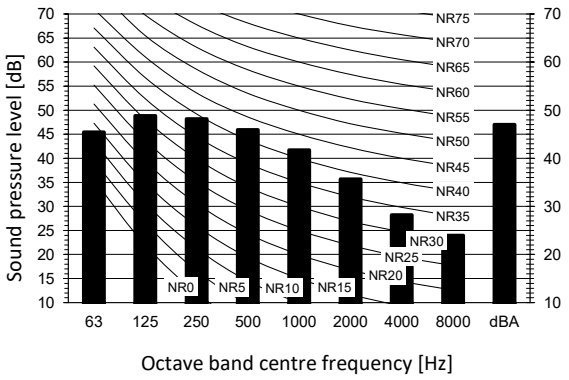
9 - 2 Sound Pressure Spectrum

RXM20A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

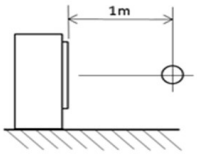
Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Location of microphone



Notes

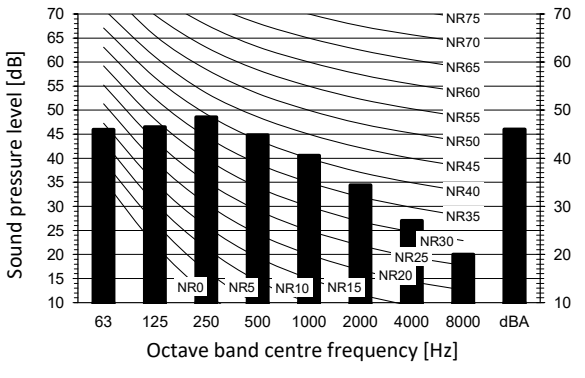
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

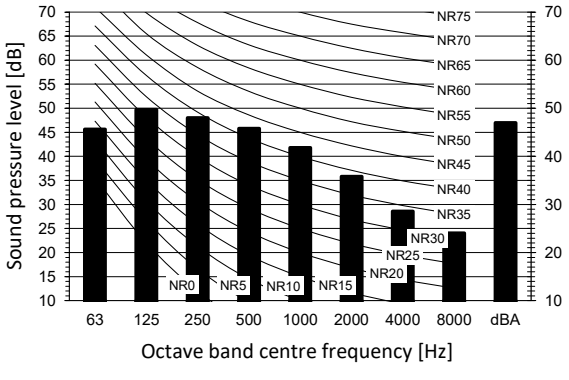
4D148976

ARXM25A
RXM25A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

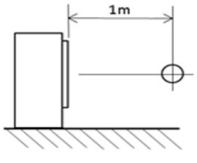
Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

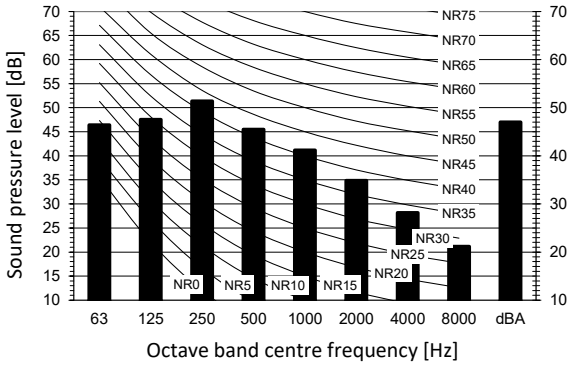
4D148977

9 Sound data

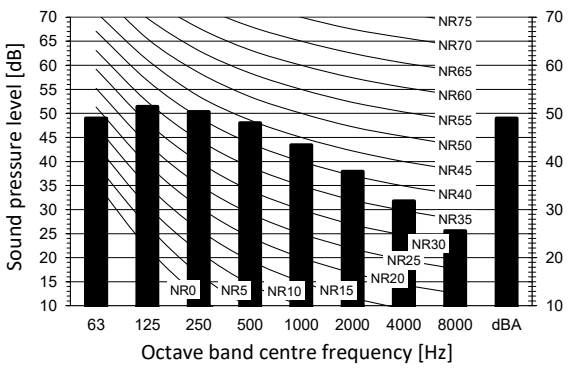
9 - 2 Sound Pressure Spectrum

ARXM35A
RXM35A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

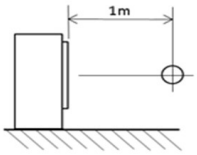
Cooling Total dB

A	B
dBA	47

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

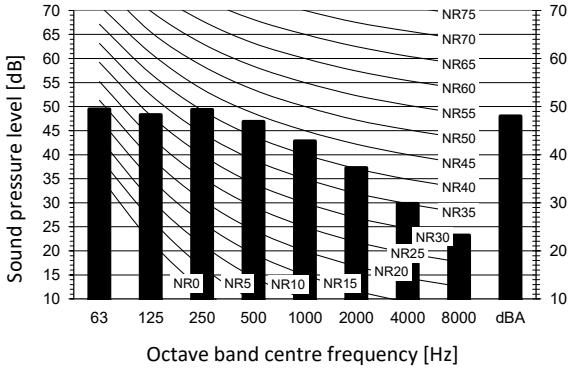
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

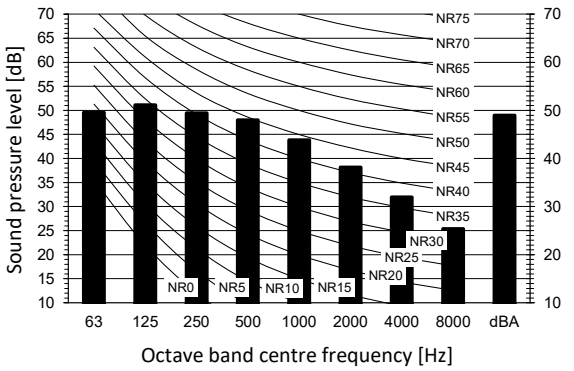
4D148978

RXM42A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

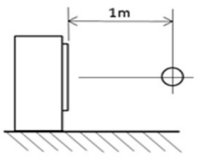
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

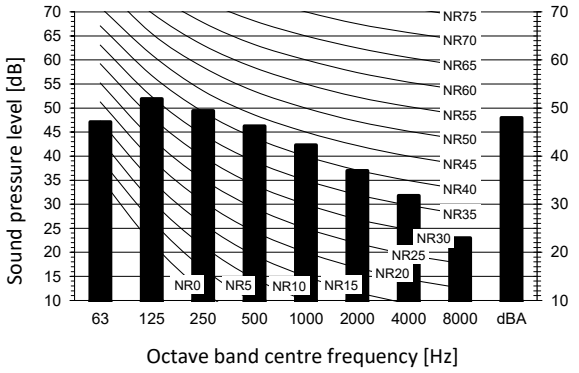
4D148979

9 Sound data

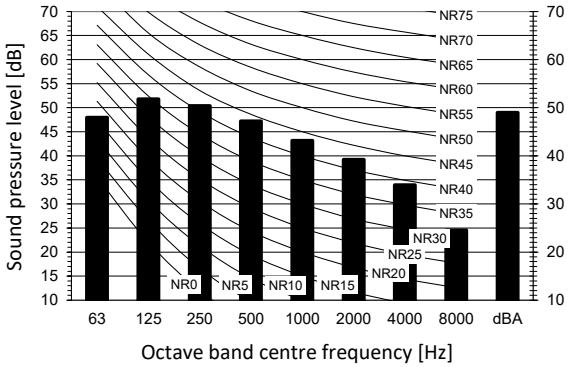
9 - 2 Sound Pressure Spectrum

ARXM50A
RXM50A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

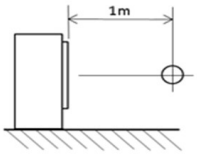
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

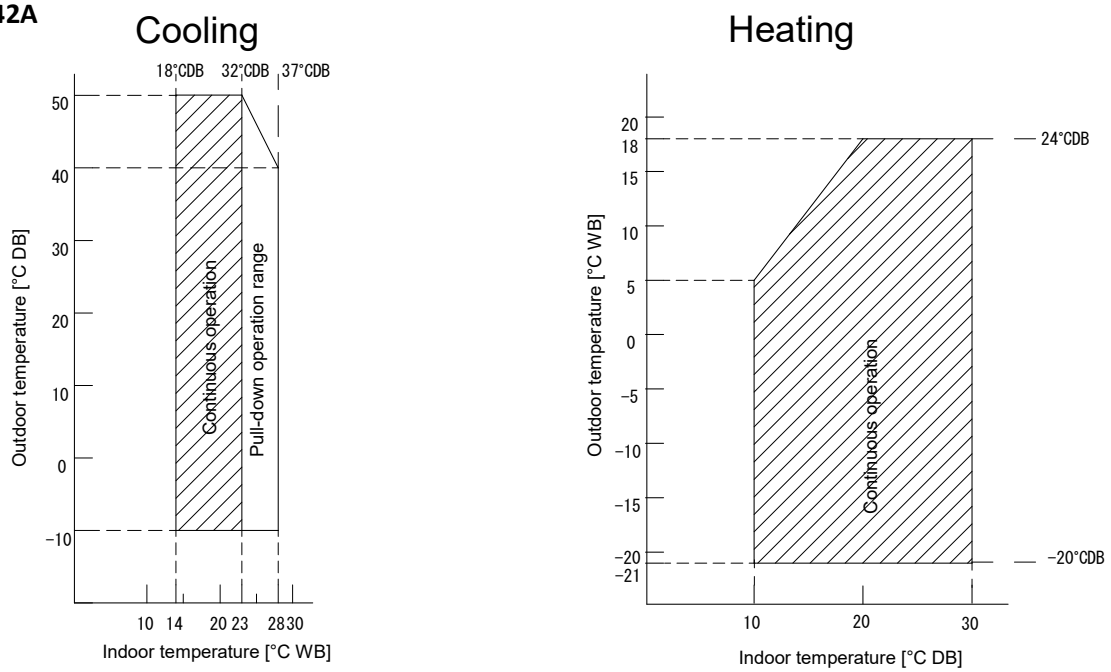
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

4D148980

10 Operation range

10 - 1 Operation Range

ARXM25-35A
RXM20-42A



Only possible in combination with ·ATXM*A2V1B, ATXM*A5V1B, FTXM*A2V1B, FTXM*A5V1B·

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

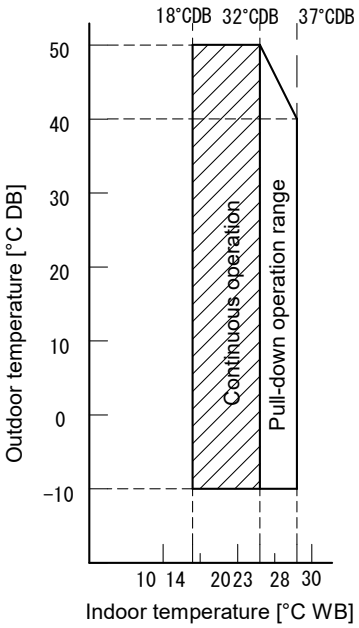
3D148983

10 Operation range

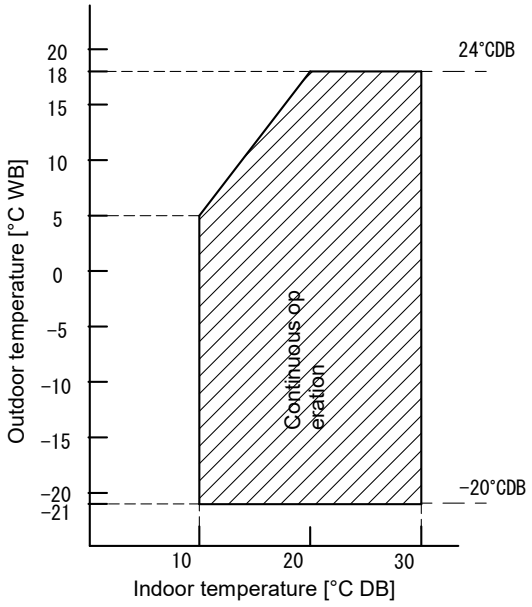
10 - 1 Operation Range

ARXM50A
RXM50A

Cooling

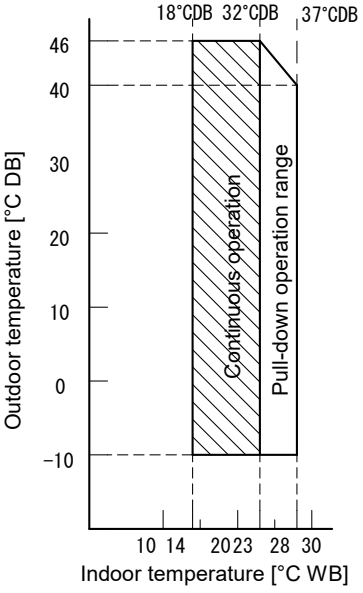


Heating

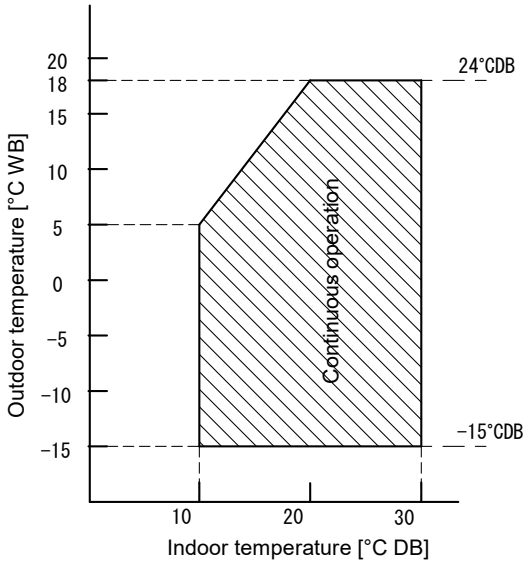


Only possible in combination with ·ATXM*A2V1B, ATXM*A5V1B, FTXM*A2V1B, FTXM*A5V1B·

Cooling



Heating



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

Notes

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

3D148981

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