Split

Air Conditioning Technical Data

RXM-M9

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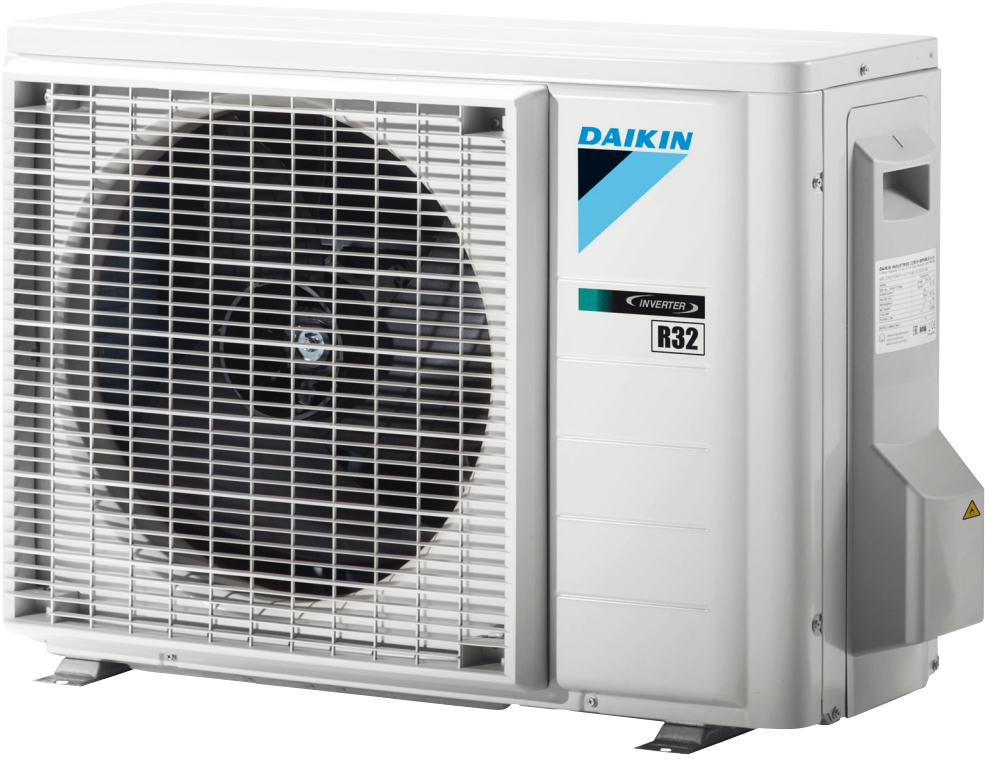
1 Features

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



Outdoor unit
silent operation

2 Specifications

2-1 Capacity and Power input				FBA35A/RXM35M9	FBA50A/RXM50M9	FBA60A/RXM60M9
Indoor unit				FBA35A2VEB	FBA50A2VEB	FBA60A2VEB
Outdoor unit				RXM35M3V1B9	RXM50M3V1B9	RXM60M3V1B9
Cooling capacity	Nom.		kW	3.40	5.00	5.70
			Btu/h	11,601	17,061	19,449
			kcal/h	2,923	4,299	4,901
Heating capacity	Nom.		kW	4.00	5.50	7.00
			Btu/h	13,649	18,767	23,885
			kcal/h	3,439	4,729	6,019
Power input	Cooling	Nom.	kW	0.85	1.41	1.64
	Heating	Nom.	kW	1.00	1.44	1.89
Space cooling	Energy efficiency class			A++		A+
	Capacity	Pdesign	kW	3.40	5.00	5.70
	SEER			6.23	6.27	5.91
	Annual energy consumption		kWh/a	191	279	337
	A Condition (35°C - 27/19)	Pdc	kW	3.40	5.00	5.70
		EERd		4.02	3.55	3.48
		Power input	kW	0.85	1.41	1.64
	B Condition (30°C - 27/19)	Pdc	kW	2.51	3.64	4.20
		EERd		5.54	5.22	5.02
		Power input	kW	0.45	0.70	0.84
	C Condition (25°C - 27/19)	Pdc	kW	1.73	2.36	2.70
		EERd		8.13	8.39	7.94
		Power input	kW	0.21	0.28	0.34
	D Condition (20°C - 27/19)	Pdc	kW	1.61	1.98	2.13
		EERd		9.06	10.50	8.52
		Power input	kW	0.18	0.19	0.25

2 Specifications

2-1 Capacity and Power input					FBA35A/RXM35M9	FBA50A/RXM50M9	FBA60A/RXM60M9
Space heating (Average climate)	Energy efficiency class				A+		
	Capacity	Pdesign		kW	2.90	4.40	4.60
	SCOP/A				4.07	4.06	4.01
	SCOPnet/A				4.10	4.08	4.02
	Pdh Heating capacity at -10°			kW	2.47	3.76	3.91
	Annual energy consumption			kWh/a	996	1,517	1,607
	Required back up heating cap at design conditions			kW	0.43	0.64	0.69
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.15	3.47	3.85
		COPd (declared COP)			2.37	1.95	2.11
		Power input		kW	0.91	1.78	1.83
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	2.57	3.89	4.09
		COPd (declared COP)			2.73	3.09	3.01
		Power input		kW	0.94	1.26	1.36
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57	3.89	4.09
		COPd (declared COP)			2.73	3.09	3.01
		Power input		kW	0.94	1.26	1.36
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57	2.37	2.44
		COPd (declared COP)			4.03	4.20	4.18
		Power input		kW	0.39	0.56	0.58
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.61	1.60
		COPd (declared COP)			5.18	4.55	4.41
		Power input		kW	0.20	0.35	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19	1.58	1.79
		COPd (declared COP)			6.38	5.23	5.32
		Power input		kW	0.19	0.30	0.34
Pto (Thermostat off)				W	-	2.0	
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Ecolabel logo					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	60		56
	Piping length	Cooling	Measuring condition	m	5.0		
Nominal efficiency	EER				4.02	3.55	3.48
	COP				4.02	3.83	3.71
	Annual energy consumption			kWh	423	704	818
	Energy labeling Directive	Cooling			A		
		Heating			A		

2 Specifications

2-1 Capacity and Power input					FBA35A/RXM35M9	FBA50A/RXM50M9	FBA60A/RXM60M9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	7.0	-	
		Heating	POFF	kW	7.0	-	
	Standby mode	Cooling	PSB	kW	7.0	-	
				W	-	12.5	
		Heating	PSB	kW	7.0	-	
				W	-	12.5	
	Thermostat-off mode	Cooling	PTO	kW	7.0	-	
		Heating	PTO	kW	7.0	-	
Space heating (Warm climate)	Energy efficiency class				A+++	A+	
	Capacity	Pdesignh		kW	1.57	2.37	2.44
	SCOP				5.12	4.47	4.43
	SCOPnet				5.19	4.48	4.44
	Annual energy consumption			kWh/a	429	741	770
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.15	3.47	3.85
		COPd (declared COP)			2.37	1.95	2.11
		Power input		kW	0.91	1.78	1.83
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.57	2.37	2.44
		COPd (declared COP)			4.03	4.20	4.18
		Power input		kW	0.39	0.56	0.58
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57	2.37	2.44
		COPd (declared COP)			4.03	4.20	4.18
		Power input		kW	0.39	0.56	0.58
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.61	1.60
		COPd (declared COP)			5.18	4.55	4.41
		Power input		kW	0.20	0.35	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19	1.58	1.79
		COPd (declared COP)			6.38	5.23	5.32
		Power input		kW	0.19	0.30	0.34

Notes

See separate drawing for electrical data

See separate drawing for operation range

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

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

2-2 Capacity and Power input	FTXM20M/ RXM20M9	FTXM25M/ RXM25M9	FTXM35M/ RXM35M9	FTXM42M/ RXM42M9	FTXM50M/ RXM50M9	FTXM60M/ RXM60M9
Indoor unit	FTXM20M2V1B	FTXM25M2V1B	FTXM35M2V1B	FTXM42M2V1B	FTXM50M2V1B	FTXM60M2V1B
Outdoor unit	RXM20M3V1B9	RXM25M3V1B9	RXM35M3V1B9	RXM42M3V1B9	RXM50M3V1B9	RXM60M3V1B9

2 Specifications

2-2 Capacity and Power input				FTXM20M/ RXM20M9	FTXM25M/ RXM25M9	FTXM35M/ RXM35M9	FTXM42M/ RXM42M9	FTXM50M/ RXM50M9	FTXM60M/ RXM60M9
Cooling capacity	Min.		kW	1.3		1.4	1.70		1.90
			Btu/h	4,400.0		4,800.0	5,800		6,500
			kcal/h	1,120.0		1,200.0	1,460		1,700
	Nom.		kW	2.0	2.5	3.4	4.20	5.00	6.00
			Btu/h	6,800.0	8,500.0	11,600.0	14,300	17,100	20,500
			kcal/h	1,720.0	2,150.0	2,920.0	3,610	4,300	5,160
	Max.		kW	2.6	3.2	4.0	5.00	5.30	6.70
			Btu/h	8,900.0	11,000.0	13,600.0	17,100	18,100	22,900
			kcal/h	2,240.0	2,750.0	3,440.0	4,300	4,560	5,800
Heating capacity	Min.		kW	1.30		1.40	1.70		
			Btu/h	4,400.0		4,800.0	5,800		
			kcal/h	1,120.0		1,200.0	1,460		1,500
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	7.00
			Btu/h	8,500.0	9,500.0	13,600.0	18,400	19,800	23,900
			kcal/h	2,150.0	2,400.0	3,440.0	4,640	4,990	6,020
	Max.		kW	3.50	4.70	5.20	6.00	6.50	8.00
			Btu/h	11,900.0	16,000.0	17,700.0	20,500	22,200	27,300
			kcal/h	3,010.0	4,040.0	4,470.0	5,160	5,590	6,900
Power input	Cooling	Min.	kW	0.27		0.31	-		
		Nom.	kW	0.44	0.56	0.80	1.12	1.36	1.77
		Max.	kW	0.63	0.78	1.04	-		
	Heating	Min.	kW	0.24		0.32	-		
		Nom.	kW	0.50	0.56	0.99	1.31	1.45	1.94
		Max.	kW	0.91	1.22	1.67	-		
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	-
	Energy efficiency class			A+++			A++		-
	SEER			8.53	8.52	8.51	7.50	7.33	-
	Annual energy consumption		kWh/a	83	103	140	196	239	-
	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00	-
		EERd		4.57	4.50	4.23	3.75	3.68	-
		Power input	kW	0.44	0.56	0.80	1.12	1.36	-
	B Condition (30°C - 27/19)	Pdc	kW	1.47	1.84	2.51	3.09	3.68	-
		EERd		6.85	6.42	6.08	5.48	5.51	-
		Power input	kW	0.21	0.29	0.41	0.56	0.67	-
	C Condition (25°C - 27/19)	Pdc	kW	0.95	1.18	1.61	1.99	2.37	-
		EERd		10.73	10.70	10.28	9.30	8.22	-
		Power input	kW	0.09	0.11	0.16	0.21	0.29	-
	D Condition (20°C - 27/19)	Pdc	kW	0.96		1.18	1.87	2.12	-
		EERd		14.56	14.68	16.50	13.12	14.43	-
		Power input	kW	0.07			0.14	0.15	-

2 Specifications

2-2 Capacity and Power input					FTXM20M/ RXM20M9	FTXM25M/ RXM25M9	FTXM35M/ RXM35M9	FTXM42M/ RXM42M9	FTXM50M/ RXM50M9	FTXM60M/ RXM60M9
Space heating (Average climate)	Capacity	Pdesign		kW	2.30	2.40	2.50	4.00	4.60	-
	Energy efficiency class				A+++			A++		-
	SCOP/A				5.10			4.60		-
	SCOPnet/A				5.13		5.14	4.63		-
	Pdh Heating capacity at -10°			kW	2.24	2.30	2.35	3.68	4.09	-
	Annual energy consumption			kWh/a	632	659	686	1,216	1,400	-
	Required back up heating cap at design conditions			kW	0.06	0.10	0.15	0.32	0.51	-
	TOL	Tol (temperature operating limit)		°C	-15					-
		Pdh (declared heating cap)		kW	2.59			3.90	4.12	-
		COPd (declared COP)			2.49			2.04	2.16	-
		Power input		kW	1.04			1.91		-
	TBivalent	Tbiv (bivalent temperature)		°C	-7					-
		Pdh (declared heating cap)		kW	2.03	2.12	2.21	3.54	4.07	-
		COPd (declared COP)			3.57	3.51	3.50	2.70	2.90	-
		Power input		kW	0.57	0.60	0.63	1.31	1.40	-
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.03	2.12	2.21	3.54	4.07	-
		COPd (declared COP)			3.57	3.51	3.50	2.70	2.90	-
		Power input		kW	0.57	0.60	0.63	1.31	1.40	-
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.29	1.34	2.15	2.48	-
		COPd (declared COP)			5.10	5.06	5.03	4.71	4.65	-
		Power input		kW	0.24	0.25	0.27	0.46	0.53	-
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91		0.95	1.38	1.61	-
		COPd (declared COP)			6.33	6.32	6.43	5.99	5.83	-
		Power input		kW	0.14		0.15	0.23	0.28	-
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.09			1.54	1.36	-
		COPd (declared COP)			8.03		8.05	7.42	7.07	-
		Power input		kW	0.14			0.21	0.19	-
Current	Nominal running current (RLA) - 50Hz	Cooling		A	2.1	2.6	4.4	5.11	6.26	7.90
		Heating		A	2.2	2.5	4.8	5.93	6.56	8.50
Pto (Thermostat off)				W	12.0					
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					
Ecolabel logo					No					
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59		61	62		63
	Sound power level indoor	Cooling	Nom.	dBA	57		60		59	60
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.57	4.50	4.23	3.75	3.68	3.39
	COP				5.00		4.04	4.12	4.00	3.61
	Annual energy consumption			kWh	220	280	400	-		
	Energy labeling Directive	Cooling			A					
		Heating			A					

2 Specifications

2-2 Capacity and Power input					FTXM20M/ RXM20M9	FTXM25M/ RXM25M9	FTXM35M/ RXM35M9	FTXM42M/ RXM42M9	FTXM50M/ RXM50M9	FTXM60M/ RXM60M9
Power consumption in other than active mode	Off mode	POFF		W	1.0					-
	Standby mode	Cooling	PSB	W	1.0					-
Power factor	Nominal	Cooling		%	91.10	93.90	79.90	95.30	94.70	97.40
		Heating		%	97.60	98.20	90.00	96.10		99.20
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.24	1.29	1.34	2.15	2.48	-
	Energy efficiency class				A+++					-
	SCOP				6.12	6.21	6.28	5.93	5.84	-
	SCOPnet				6.32	6.41	6.48	6.04	5.93	-
	Annual energy consumption			kWh/a	284	291	300	507	595	-
	Required back up heating cap at design conditions			kW	0.00					-
	TOL	Tol (temperature operating limit)		°C	-15					-
		Pdh (declared heating cap)		kW	2.59			3.90	4.12	-
		COPd (declared COP)			2.49			2.04	2.16	-
		Power input		kW	1.04			1.91		-
	TBivalent	Tbiv (bivalent temperature)		°C	2					-
		Pdh (declared heating cap)		kW	1.24	1.29	1.34	2.15	2.48	-
		COPd (declared COP)			5.10	5.06	5.03	4.71	4.65	-
		Power input		kW	0.24	0.25	0.27	0.46	0.53	-
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.29	1.34	2.15	2.48	-
		COPd (declared COP)			5.10	5.06	5.03	4.71	4.65	-
		Power input		kW	0.24	0.25	0.27	0.46	0.53	-
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.91		0.95	1.38	1.61	-
		COPd (declared COP)			6.33	6.32	6.43	5.99	5.83	-
		Power input		kW	0.14		0.15	0.23	0.28	-
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.1			1.54	1.36	-
		COPd (declared COP)			8.03		8.05	7.42	7.07	-
		Power input		kW	0.14			0.21	0.19	-

Notes

See separate drawing for electrical data

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

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

2-3 Capacity and Power input				FFA25A/RXM25M9	FFA35A/RXM35M9	FFA50A/RXM50M9	FFA60A/RXM60M9
Indoor unit				FFA25A2VEB	FFA35A2VEB	FFA50A2VEB	FFA60A2VEB
Outdoor unit				RXM25M3V1B9	RXM35M3V1B9	RXM50M3V1B9	RXM60M3V1B9
Cooling capacity	Nom.		kW	2.50	3.40	5.00	5.70
			Btu/h	8,530	11,601	17,061	19,449.2
			kcal/h	2,150	2,923	4,299	4,901.1
Heating capacity	Nom.		kW	3.20	4.20	5.80	7.00
			Btu/h	10,919	14,331	19,790	23,885.0
			kcal/h	2,752	3,611	4,987	6,018.9
Power input	Cooling	Nom.	kW	0.55	0.89	1.54	1.87
	Heating	Nom.	kW	0.82	1.20	1.66	2.05

2 Specifications

2-3 Capacity and Power input				FFA25A/RXM25M9	FFA35A/RXM35M9	FFA50A/RXM50M9	FFA60A/RXM60M9
Space cooling	Energy efficiency class			A++		A+	
	Capacity	Pdesign	kW	2.50	3.40	5.00	5.70
	SEER			6.17	6.38	5.98	5.76
	Annual energy consumption		kWh/a	142	186	292	347
	A Condition (35°C - 27/19)	Pdc	kW	2.50	3.40	5.00	5.70
		EERd		4.57	3.81	3.24	3.05
		Power input	kW	0.55	0.89	1.54	1.87
	B Condition (30°C - 27/19)	Pdc	kW	1.84	2.51	3.69	4.20
		EERd		6.60	5.79	5.38	5.34
		Power input	kW	0.28	0.43	0.69	0.79
	C Condition (25°C - 27/19)	Pdc	kW	1.41	1.45	2.37	2.70
		EERd		9.11	9.13	7.85	7.24
		Power input	kW	0.16		0.30	0.37
	D Condition (20°C - 27/19)	Pdc	kW	1.24	1.26	2.15	2.27
		EERd		11.95	11.99	10.67	9.66
		Power input	kW	0.10	0.11	0.20	0.24
Space heating (Average climate)	Energy efficiency class			A+		A	A+
	Capacity	Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A			4.24	4.10	3.90	4.04
	SCOPnet/A			4.27	4.19	3.92	4.05
	Pdh Heating capacity at -10°		kW	2.03	2.54	3.51	3.66
	Annual energy consumption		kWh/a	762	1,058	1,377	1,372
	Required back up heating cap at design conditions		kW	0.28	0.56	0.33	0.30
	TOL	Tol (temperature operating limit)	°C	-15			
		Pdh (declared heating cap)	kW	2.03		3.68	3.93
		COPd (declared COP)		2.23	2.10	1.99	2.05
		Power input	kW	0.91	0.97	1.85	1.92
	TBivalent	Tbiv (bivalent temperature)	°C	-7			
		Pdh (declared heating cap)	kW	2.04		3.40	3.50
		COPd (declared COP)		3.00	2.89	2.62	2.84
		Power input	kW	0.68	0.71	1.30	1.23
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.04		3.40	3.50
		COPd (declared COP)		3.00	2.89	2.62	2.84
		Power input	kW	0.68	0.71	1.30	1.23
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24		2.09	2.14
		COPd (declared COP)		4.16	4.00	3.97	4.12
		Power input	kW	0.30	0.31	0.53	0.52
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.03		1.47	1.49
		COPd (declared COP)		5.57	5.37	4.81	4.74
		Power input	kW	0.19		0.31	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.21		1.71	1.74
		COPd (declared COP)		6.90	6.65	5.94	5.88
		Power input	kW	0.18		0.29	0.30
Pto (Thermostat off)			W	-		7.0	-
Cooling	Cdc (Degradation cooling)			0.25			
Heating	Cdh (Degradation heating)			0.25			
Cooling function included				Yes			
Heating function included				Yes			
Average climate included				Yes			
Cold season included				No			
Warm season included				Yes			

2 Specifications

2-3 Capacity and Power input					FFA25A/RXM25M9	FFA35A/RXM35M9	FFA50A/RXM50M9	FFA60A/RXM60M9
Ecolabel logo					No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	48	51	56	60
	Piping length	Cooling	Measuring condition	m	5.0			
Nominal efficiency	EER				4.57	3.81	3.24	3.05
	COP				3.90	3.50	3.49	3.41
	Annual energy consumption			kWh	273 (1)	446 (1)	771 (1)	934 (1)
	Energy labeling Directive	Cooling			A			B
		Heating			A	B		
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0		-	
		Heating	POFF	kW	14.0		-	
	Standby mode	Cooling	PSB	kW	14.0		-	15
				W	-		15.0	-
		Heating	PSB	kW	14.0		-	15
				W	-		15.0	-
	Thermostat-off mode	Cooling	PTO	kW	7.0		-	7
		Heating	PTO	kW	7.0		-	7
Space heating (Warm climate)	Energy efficiency class				A+++		A++	
	Capacity	Pdesignh		kW	1.24		2.09	2.14
	SCOP				5.29	5.10	4.78	4.74
	SCOPnet				5.37	5.18	4.82	4.78
	Annual energy consumption			kWh/a	329	341	612	632
	Required back up heating cap at design conditions			kW	0.00			
	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	2.03		3.68	3.93
		COPd (declared COP)			2.23	2.10	1.99	2.05
		Power input		kW	0.91	0.97	1.85	1.91
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.24		2.09	2.14
		COPd (declared COP)			4.16	4.00	3.97	4.12
		Power input		kW	0.30	0.31	0.53	0.52
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24		2.09	2.14
		COPd (declared COP)			4.16	4.00	3.97	4.12
		Power input		kW	0.30	0.31	0.53	0.52
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.03		1.47	1.49
		COPd (declared COP)			5.57	5.37	4.81	4.74
		Power input		kW	0.19		0.31	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.21		1.71	1.74
		COPd (declared COP)			6.90	6.65	5.94	5.88
		Power input		kW	0.18		0.29	0.30

Notes

(1) 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 electrical data

See separate drawing for operation range

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

2 Specifications

2-4 Capacity and Power input				FDXM25F3/RXM25M9	FDXM35F3/RXM35M9	FDXM50F3/RXM50M9	FDXM60F3/RXM60M9
Indoor unit				FDXM25F3V1B	FDXM35F3V1B	FDXM25F3V1B	FDXM60F3V1B
Outdoor unit				RXM25M3V1B9	RXM35M3V1B9	RXM50M3V1B9	RXM60M3V1B9
Cooling capacity	Min.		kW	1.30	1.40	-	
			Btu/h	4,435	4,776	-	
			kcal/h	1,117	1,203	-	
	Nom.		kW	2.40	3.40	5.00	6.00
			Btu/h	8,189	11,601	17,061	20,473
			kcal/h	2,064	2,923	4,299	5,159
	Max.		kW	3.00	3.80	-	
			Btu/h	10,236	12,966	-	
			kcal/h	2,579	3,267	-	
Heating capacity	Min.		kW	1.30	1.40	-	
			Btu/h	4,435	4,776	-	
			kcal/h	1,117	1,203	-	
	Nom.		kW	3.20	4.00	5.80	7.00
			Btu/h	10,919	13,649	19,790	23,885
			kcal/h	2,752	3,439	4,987	6,019
	Max.		kW	4.50	5.00	-	
			Btu/h	15,354	17,060	-	
			kcal/h	3,869	4,299	-	
Power input	Cooling	Nom.	kW	0.64	1.14	1.63	2.05
	Heating	Nom.	kW	0.80	1.15	1.87	2.18
Space cooling	Energy efficiency class			A+	A	A+	A
	Capacity	Pdesign	kW	2.40	3.40	5.00	6.00
	SEER			5.68	5.26	5.77	5.56
	Annual energy consumption		kWh/a	148	226	303	315
	A Condition (35°C - 27/19)	Pdc	kW	2.40	3.40	5.00	6.00
		EERd		3.77	2.98	3.06	2.93
		Power input	kW	0.64	1.14	1.63	2.05
	B Condition (30°C - 27/19)	Pdc	kW	1.76	2.50	3.67	4.43
		EERd		5.38	4.08	4.96	4.39
		Power input	kW	0.33	0.61	0.74	1.01
	C Condition (25°C - 27/19)	Pdc	kW	1.27	1.61	2.37	2.85
		EERd		8.92	8.05	8.21	7.94
		Power input	kW	0.14	0.20	0.29	0.36
	D Condition (20°C - 27/19)	Pdc	kW	1.31	1.46	2.26	
		EERd		10.90	9.65	9.47	8.87
		Power input	kW	0.12	0.15	0.24	0.26

2 Specifications

2-4 Capacity and Power input					FDXM25F3/RXM25M9	FDXM35F3/RXM35M9	FDXM50F3/RXM50M9	FDXM60F3/RXM60M9
Space heating (Average climate)	Energy efficiency class				A+		A	
	Capacity	Pdesign		kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	SCOPnet/A				4.27	3.90	3.95	3.82
	Pdh Heating capacity at -10°			kW	2.16	2.42	3.55	3.94
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693
	Required back up heating cap at design conditions			kW	0.44	0.48	0.45	0.66
	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.01	1.89	1.91
		Power input		kW	0.88	1.07	1.90	1.94
	TBivalent	Tbiv (bivalent temperature)		°C	-7			
		Pdh (declared heating cap)		kW	2.30	2.57	3.54	4.07
		COPd (declared COP)			2.81	2.60	2.87	2.58
		Power input		kW	0.82	0.99	1.23	1.58
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.30	2.57	3.54	4.07
		COPd (declared COP)			2.81	2.60	2.87	2.58
		Power input		kW	0.82	0.99	1.23	1.58
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02	1.62	
		COPd (declared COP)			5.54	4.94	4.56	4.52
		Power input		kW	0.18	0.21	0.36	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19	1.92	
		COPd (declared COP)			6.84	6.08	5.49	5.46
		Power input		kW	0.17	0.20	0.35	
Pto (Thermostat off)				W	-		9.0	
Cooling	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Ecolabel logo					No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	53		55	56
	Piping length	Cooling	Measuring condition	m	5.0			
Nominal efficiency	EER				3.77	2.98	3.06	2.93
	COP				4.00	3.48	3.10	3.21
	Annual energy consumption			kWh	318 (1)	570 (1)	816 (1)	1,024 (1)
	Energy labeling Directive	Cooling			A	C	B	C
		Heating			A	B	D	C

2 Specifications

2-4 Capacity and Power input					FDXM25F3/RXM25M9	FDXM35F3/RXM35M9	FDXM50F3/RXM50M9	FDXM60F3/RXM60M9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0		-	
		Heating	POFF	kW	14.0		-	
	Standby mode	Cooling	PSB	kW	14.0		-	
				W	-		15.0	
		Heating	PSB	kW	14.0		-	
				W	-		15.0	
	Thermostat-off mode	Cooling	PTO	kW	7.0		-	
		Heating	PTO	kW	7.0		-	
Space heating (Warm climate)	Energy efficiency class				A+++	A++	A+	
	Capacity	Pdesignh		kW	1.40	1.57	2.13	2.48
	SCOP				5.38	4.88	4.40	4.47
	SCOPnet				5.46	4.94	4.44	4.51
	Annual energy consumption			kWh/a	365	450	679	777
	Required back up heating cap at design conditions			kW	0.00			
	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.01	1.89	1.91
		Power input		kW	0.88	1.07	1.90	1.94
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02	1.62	
		COPd (declared COP)			5.54	4.94	4.56	4.52
		Power input		kW	0.18	0.21	0.36	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19	1.92	
		COPd (declared COP)			6.84	6.08	5.49	5.46
		Power input		kW	0.17	0.20	0.35	

Notes

(1) 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 electrical data

See separate drawing for operation range

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

2-5 Capacity and Power input				FCAG35A/RXM35M9	FCAG50A/RXM50M9	FCAG60A/RXM60M9
Indoor unit				FCAG35AVEB	FCAG50AVEB	FCAG60AVEB
Outdoor unit				RXM35M3V1B9	RXM50M3V1B9	RXM60M3V1B9
Cooling capacity	Nom.		kW	3.50	5.00	5.70
			Btu/h	11,943	17,061	19,449
			kcal/h	3,009	4,299	4,901
Heating capacity	Nom.		kW	4.20	6.00	7.00
			Btu/h	14,331	20,473	23,885
			kcal/h	3,611	5,159	6,019
Power input	Cooling	Nom.	kW	0.94	1.39	1.72
	Heating	Nom.	kW	1.11	1.62	2.07

2 Specifications

2-5 Capacity and Power input				FCAG35A/RXM35M9	FCAG50A/RXM50M9	FCAG60A/RXM60M9
Space cooling	Energy efficiency class			A++		
	Capacity	Pdesign	kW	3.50	5.00	5.70
	SEER			6.35	6.54	6.40
	Annual energy consumption		kWh/a	193	266	312
	A Condition (35°C - 27/19)	Pdc	kW	3.50	5.00	5.68
		EERd		3.72	3.58	3.31
		Power input	kW	0.94	1.40	1.72
	B Condition (30°C - 27/19)	Pdc	kW	2.60	3.67	4.16
		EERd		5.33	5.17	4.67
		Power input	kW	0.49	0.71	0.89
	C Condition (25°C - 27/19)	Pdc	kW	1.68	2.37	2.70
		EERd		9.52	8.52	7.87
		Power input	kW	0.18	0.28	0.34
	D Condition (20°C - 27/19)	Pdc	kW	1.49	1.87	1.62
		EERd		12.25	10.69	12.03
		Power input	kW	0.12	0.17	0.13
Space heating (Average climate)	Energy efficiency class			A++	A+	
	Capacity	Pdesign	kW	3.32	4.36	4.71
	SCOP/A			4.90	4.30	4.20
	SCOPnet/A			4.95	4.32	4.22
	Pdh Heating capacity at -10°		kW	2.60	3.87	4.11
	Annual energy consumption		kWh/a	948	1,419	1,569
	Required back up heating cap at design conditions		kW	0.72	0.49	0.60
	TOL	Tol (temperature operating limit)	°C	-15		
		Pdh (declared heating cap)	kW	2.04	3.89	4.04
		COPd (declared COP)		2.50	2.04	2.08
		Power input	kW	0.82	1.91	1.94
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.94	3.86	4.17
		COPd (declared COP)		3.10	2.81	2.56
		Power input	kW	0.95	1.37	1.63
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.94	3.86	4.17
		COPd (declared COP)		3.10	2.81	2.56
		Power input	kW	0.95	1.37	1.63
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.79	2.34	2.53
		COPd (declared COP)		4.98	4.38	4.30
		Power input	kW	0.36	0.53	0.59
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.15	1.54	1.64
		COPd (declared COP)		6.20	5.31	5.28
		Power input	kW	0.19	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.24	1.79	1.46
		COPd (declared COP)		7.88	6.47	6.51
		Power input	kW	0.16	0.28	0.22
Pto (Thermostat off)			W	-	7.0	
Cooling	Cdc (Degradation cooling)			0.25		
Heating	Cdh (Degradation heating)			0.25		
Cooling function included				Yes		
Heating function included				Yes		
Average climate included				Yes		
Cold season included				No		
Warm season included				Yes		

2 Specifications

2-5 Capacity and Power input					FCAG35A/RXM35M9	FCAG50A/RXM50M9	FCAG60A/RXM60M9
Ecolabel logo					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	49		51
	Piping length	Cooling	Measuring condition	m	5.0		
Nominal efficiency	EER				3.72	3.58	3.31
	COP				3.77	3.70	3.38
	Annual energy consumption			kWh	471	697	862
	Energy labeling Directive	Cooling			A		
		Heating			A		C
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0	-	
		Heating	POFF	kW	14.0	-	
	Standby mode	Cooling	PSB	kW	14.0	-	
				W	-	7.0	
		Heating	PSB	kW	14.0	-	
				W	-	7.0	
	Thermostat-off mode	Cooling	PTO	kW	7.0	-	
		Heating	PTO	kW	7.0	-	
Space heating (Warm climate)	Energy efficiency class				A+++		
	Capacity	Pdesignh		kW	1.79	2.34	2.53
	SCOP				6.27	5.26	5.36
	SCOPnet				6.36	5.31	5.40
	Annual energy consumption			kWh/a	400	623	661
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.04	3.89	4.04
		COPd (declared COP)			2.50	2.04	2.08
		Power input		kW	0.82	1.91	1.94
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.79	2.34	2.53
		COPd (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.79	2.34	2.53
		COPd (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.15	1.54	1.64
		COPd (declared COP)			6.20	5.31	5.28
		Power input		kW	0.19	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.24	1.79	1.46
		COPd (declared COP)			7.88	6.47	6.51
		Power input		kW	0.16	0.28	0.22

Notes

See separate drawing for electrical data

See separate drawing for operation range

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

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

2 Specifications

2-6 Capacity and Power input				FVXM25F/RXM25M9	FVXM35F/RXM35M9	FVXM50F/RXM50M9
Indoor unit				FVXM25FV1B	FVXM35FV1B	FVXM50FV1B
Outdoor unit				RXM25M3V1B9	RXM35M3V1B9	RXM50M3V1B9
Cooling capacity	Min.		kW	1.30	1.40	
			Btu/h	4,435	4,776	
			kcal/h	1,117	1,203	
	Nom.		kW	2.50	3.50	5.00
			Btu/h	8,530	11,943	17,061
			kcal/h	2,150	3,009	4,299
	Max.		kW	3.00	3.80	5.60
			Btu/h	10,236	12,966	19,107
			kcal/h	2,579	3,267	4,815
Heating capacity	Min.		kW	1.30	1.40	
			Btu/h	4,435	4,776	
			kcal/h	1,117	1,203	
	Nom.		kW	3.40	4.50	5.80
			Btu/h	11,601	15,355	19,790
			kcal/h	2,923	3,869	4,987
	Max.		kW	4.50	5.00	8.10
			Btu/h	15,354	17,060	27,638
			kcal/h	3,869	4,299	6,964
Power input	Cooling	Nom.	kW	0.60	1.09	1.55
	Heating	Nom.	kW	0.77	1.19	1.60
Space cooling	Capacity	Pdesign	kW	2.50	3.50	5.00
	Energy efficiency class			A++		
	SEER			7.20	6.43	6.80
	Annual energy consumption		kWh/a	120	190	257
	A Condition (35°C - 27/19)	Pdc	kW	2.50	3.50	5.00
		EERd		4.20	3.21	3.23
		Power input	kW	0.60	1.09	1.55
	B Condition (30°C - 27/19)	Pdc	kW	1.84	2.58	3.68
		EERd		6.36	4.75	5.07
		Power input	kW	0.29	0.54	0.73
	C Condition (25°C - 27/19)	Pdc	kW	1.17	1.68	2.38
		EERd		8.43	7.62	8.44
		Power input	kW	0.14	0.22	0.28
	D Condition (20°C - 27/19)	Pdc	kW	0.98	0.95	2.29
		EERd		11.48	11.50	11.88
		Power input	kW	0.09	0.08	0.19

2 Specifications

2-6 Capacity and Power input					FVXM25F/RXM25M9	FVXM35F/RXM35M9	FVXM50F/RXM50M9
Space heating (Average climate)	Capacity	Pdesign		kW	2.40	2.90	4.20
	Energy efficiency class				A+		
	SCOP/A				4.56	4.00	
	SCOPnet/A				4.59	4.03	4.01
	Pdh Heating capacity at -10°			kW	2.23	2.40	2.23
	Annual energy consumption			kWh/a	737	1,015	1,471
	Required back up heating cap at design conditions			kW	0.17	0.50	1.97
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input		kW	0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input		kW	0.65	1.07	1.69
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input		kW	0.65	1.07	1.69
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input		kW	0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input		kW	0.11	0.15	0.31
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Ecolabel logo					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62
	Sound power level indoor	Cooling	Nom.	dBA	52		57
	Piping length	Cooling	Measuring condition	m	5.0		
Nominal efficiency	EER				4.20	3.21	3.23
	COP				4.42	3.78	3.63
	Annual energy consumption			kWh	298	545	773
	Energy labeling Directive	Cooling			A		
		Heating			A		

2 Specifications

2-6 Capacity and Power input					FVXM25F/RXM25M9	FVXM35F/RXM35M9	FVXM50F/RXM50M9
Power consumption in other than active mode	Off mode	POFF		W	2.0		
	Standby mode	Cooling	PSB	W	2.0		
		Heating	PSB	W	2.0		
	Thermostat-off mode	PTO	Cooling	W	8.0		
			Heating	W	8.0		
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.29	1.56	2.27
	Energy efficiency class				A+++		A++
	SCOP				5.81	5.44	4.96
	SCOPnet				5.93	5.52	5.01
	Annual energy consumption			kWh/a	311	402	641
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input		kW	0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input		kW	0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input		kW	0.11	0.15	0.31

Notes

See separate drawing for electrical data

See separate drawing for operation range

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

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

2-7 Capacity and Power input				FHA35A/RXM35M9	FHA50A/RXM50M9	FHA60A/RXM60M9
Indoor unit				FHA35AVEB	FHA50AVEB	FHA60AVEB
Outdoor unit				RXM35M3V1B9	RXM50M3V1B9	RXM60M3V1B9
Cooling capacity	Nom.		kW	3.40	5.00	5.70
			Btu/h	11,601	17,061	19,449
			kcal/h	2,923	4,299	4,901
Heating capacity	Nom.		kW	4.00	6.00	7.20
			Btu/h	13,649	20,473	24,567
			kcal/h	3,439	5,159	6,191
Power input	Cooling	Nom.	kW	0.91	1.56	1.73
	Heating	Nom.	kW	0.98	1.79	2.17

2 Specifications

2-7 Capacity and Power input				FHA35A/RXM35M9	FHA50A/RXM50M9	FHA60A/RXM60M9
Space cooling	Energy efficiency class			A++	A+	
	Capacity	Pdesign	kW	3.40	5.00	5.70
	SEER			6.24	5.92	6.08
	Annual energy consumption		kWh/a	191	295	328
	A Condition (35°C - 27/19)	Pdc	kW	3.40	5.00	5.70
		EERd		3.73	3.21	3.29
		Power input	kW	0.91	1.56	1.73
	B Condition (30°C - 27/19)	Pdc	kW	2.51	3.69	4.43
		EERd		5.28	5.04	4.88
		Power input	kW	0.48	0.73	0.91
	C Condition (25°C - 27/19)	Pdc	kW	1.68	2.37	2.85
		EERd		9.59	8.25	8.34
		Power input	kW	0.18	0.29	0.34
	D Condition (20°C - 27/19)	Pdc	kW	1.64	2.31	2.26
		EERd		11.71	10.39	10.97
		Power input	kW	0.14	0.22	0.21
Space heating (Average climate)	Energy efficiency class			A+	A	
	Capacity	Pdesign	kW	3.10	4.35	4.71
	SCOP/A			4.43	3.86	3.87
	SCOPnet/A			4.47	3.87	3.89
	Pdh Heating capacity at -10°		kW	2.63	3.85	4.08
	Annual energy consumption		kWh/a	979	1,578	1,704
	Required back up heating cap at design conditions		kW	0.47	0.50	0.63
	TOL	Tol (temperature operating limit)	°C	-15		
		Pdh (declared heating cap)	kW	2.47	3.86	3.92
		COPd (declared COP)		2.23	1.97	
		Power input	kW	1.11	1.96	1.99
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.74	3.85	4.12
		COPd (declared COP)		2.94	2.61	2.64
		Power input	kW	0.93	1.48	1.56
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.74	3.85	4.12
		COPd (declared COP)		2.94	2.61	2.64
		Power input	kW	0.93	1.48	1.56
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.67	2.33	2.54
		COPd (declared COP)		4.32	3.95	3.96
		Power input	kW	0.39	0.59	0.64
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.14	1.54	1.63
		COPd (declared COP)		5.83	4.62	4.60
		Power input	kW	0.20	0.33	0.36
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.34	1.80	1.74
		COPd (declared COP)		7.24	5.65	
		Power input	kW	0.19	0.32	0.31
Pto (Thermostat off)			W	-	10.0	
Cooling	Cdc (Degradation cooling)			0.25		
Heating	Cdh (Degradation heating)			0.25		
Cooling function included				Yes		
Heating function included				Yes		
Average climate included				Yes		
Cold season included				No		
Warm season included				Yes		

2 Specifications

2-7 Capacity and Power input					FHA35A/RXM35M9	FHA50A/RXM50M9	FHA60A/RXM60M9
Ecolabel logo					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	53	54	
	Piping length	Cooling	Measuring condition	m	5.0		
Nominal efficiency	EER				3.73	3.21	3.29
	COP				4.08	3.35	3.32
	Annual energy consumption			kWh	456 (1)	780 (1)	867 (1)
	Energy labeling Directive	Cooling			A	B	A
		Heating			A	C	
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0	-	
		Heating	POFF	kW	14.0	-	
	Standby mode	Cooling	PSB	kW	14.0	-	
				W	-	15.0	
		Heating	PSB	kW	14.0	-	
				W	-	15.0	
	Thermostat-off mode	Cooling	PTO	kW	10.0	-	
		Heating	PTO	kW	10.0	-	
Space heating (Warm climate)	Energy efficiency class				A+++	A+	A++
	Capacity	Pdesignh		kW	1.67	2.33	2.54
	SCOP				5.72	4.59	4.61
	SCOPnet				5.82	4.63	4.66
	Annual energy consumption			kWh/a	409	711	771
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.47	3.86	3.92
		COPd (declared COP)			2.23	1.97	
		Power input		kW	1.11	1.96	1.99
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.67	2.33	2.54
		COPd (declared COP)			4.32	3.95	3.96
		Power input		kW	0.39	0.59	0.64
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.67	2.33	2.54
		COPd (declared COP)			4.32	3.95	3.96
		Power input		kW	0.39	0.59	0.64
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.14	1.54	1.63
		COPd (declared COP)			5.83	4.62	4.60
		Power input		kW	0.20	0.33	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.34	1.80	1.74
		COPd (declared COP)			7.24	5.65	
		Power input		kW	0.19	0.32	0.31

Notes

(1) 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 electrical data

See separate drawing for operation range

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

2 Specifications

2-8 Technical Specifications					RXM20M9	RXM25M9	RXM35M9	RXM42M9	RXM50M9	RXM60M9
Capacity control	Method				Variable (inverter)					
Casing	Colour				Ivory white					
Dimensions	Unit	Height		mm	550			735		
		Width		mm	765			825		
		Depth		mm	285			300		
	Packed unit	Height		mm	612			797		
		Width		mm	906			992		
		Depth		mm	402			437		
Weight	Unit			kg	32			47		
	Packed unit			kg	34			50		
Packing	Weight			kg	-			3		
Heat exchanger	Length			mm	805			845		
	Rows	Quantity			2					
	Fin pitch			mm	1.40			1.80		
	Stages	Quantity			24			32		
	Passes	Quantity			3.1			5.8		
	Tube type				ø7 Hi-XD			ø8 Hi-XA		
	Fin	Type			Waffle fin (PE)					
Compressor	Model				1YC25GXD#C			2YC40JXD#C		
	Oil Amount			cm³	-			650		
	Type				Hermetically sealed swing compressor					
	Output			W	800.0			1,300		
	Oil Type				-			FW68DA		
Fan	Type				Propeller fan			Propeller		
	Air flow rate	Cooling	Nom.	m³/min	36.0			50.4		
				cfm	1,271			1,780		
		Heating	Nom.	m³/min	28.3			40.4		
				cfm	999			1,427		
Fan motor	Model				ARW34W8P50DA			ARW7406DA		
	Output			W	50			68		
	Speed	Cooling	High	rpm	920			780		
			Nom.	rpm	920			780		
			Low	rpm	800			690		620
		Heating	High	rpm	860			730		
			Nom.	rpm	800			730		
			Low	rpm	400			530		
Sound power level	Cooling			dBA	59		61	62		63
	Heating			dBA	59		61	62		63
Sound pressure level	Cooling	Nom.		dBA	46		49	48		
	Heating	Nom.		dBA	47		49	48	49	
Refrigerant	Type				R-32					
	Charge			kg	0.76			1.30	1.40	1.45
				TCO_2eq	0.52			0.88	0.95	0.98
	Control				Expansion valve			-		
	GWP				675.0					
Piping connections	Liquid	OD		mm	6,35			6,4		
	Gas	OD		mm	9.50			12.7		
	Drain	OD		mm	18					
	Piping length	OU - IU	Max.	m	20.0			30		
		System	Chargeless	m	10.0			-		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	15.0			20		
	Heat insulation				Both liquid and gas pipes			-		

2 Specifications

Standard Accessories : Drain plug; Quantity : 1;
Standard Accessories : Installation manual; Quantity : 1;
Standard Accessories : Refrigerant charge label; Quantity : 1;
Standard Accessories : Multilingual fluorinated greenhouse gases labels; Quantity : 1;

2-9 Electrical Specifications			RXM20M9	RXM25M9	RXM35M9	RXM42M9	RXM50M9	RXM60M9
Power supply	Phase		1~					
	Frequency	Hz	50					
	Voltage	V	220-240					
Wiring connections	For power supply	Quantity	3					
		Remark	Earth wire included					
	For connection with indoor	Quantity	4					
		Remark	Earth wire included					

Notes

Contains fluorinated greenhouse gases

See separate drawing for operation range

See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical Data

RXM20-35M9

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20M3V1B9	FTXM20M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,88	10	35	2,0	0,024	0,23	0,022	0,22
		50	230					2,1				
		50	240					2,2				
RXM25M3V1B9	FTXM25M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,82	13	46	2,6	0,024	0,23	0,022	0,22
		50	230					2,7				
		50	240					2,8				
RXM25M3V1B9	FFA25A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,79	13	40	2,3	0,023	0,23	0,050	0,20
		50	230					2,5				
		50	240					2,6				
RXM25M3V1B9	FDXM25F3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,92	13	39	2,1	0,023	0,23	0,034	0,30
		50	230					2,2				
		50	240					2,3				
RXM25M3V1B9	FNA25A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,17	13	43	2,3	0,023	0,23	0,034	0,50
		50	230					2,4				
		50	240					2,5				
RXM35M3V1B9	FTXM35M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,86	13	60	4,2	0,023	0,23	0,028	0,25
		50	230					4,4				
		50	240					4,6				
RXM35M3V1B9	FCAG35AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,92	13	63	3,6	0,023	0,23	0,048	0,30
		50	230					3,8				
		50	240					4,0				
RXM35M3V1B9	FBA35A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,29	13	56	3,3	0,023	0,23	0,089	1,40
		50	230					3,5				
		50	240					3,6				
RXM35M3V1B9	FHA35AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,29	13	64	3,8	0,023	0,23	0,090	0,60
		50	230					4,0				
		50	240					4,2				
RXM35M3V1B9	FFA35A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,79	13	64	3,6	0,023	0,23	0,050	0,20
		50	230					3,8				
		50	240					4,0				
RXM35M3V1B9	FDXM35F3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,92	13	65	3,6	0,023	0,23	0,034	0,30
		50	230					3,8				
		50	240					3,9				
RXM35M3V1B9	FNA35A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,17	13	65	3,6	0,023	0,23	0,034	0,50
		50	230					3,8				
		50	240					3,9				
ARXM25M3V1B9	ATXM25M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,82	13	46	2,6	0,024	0,23	0,022	0,22
		50	230					2,7				
		50	240					2,8				
ARXM35M3V1B9	ATXM35M2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,86	13	60	4,2	0,023	0,23	0,028	0,25
		50	230					4,4				
		50	240					4,6				

Notes

1) The RLA is based on the following conditions.
   Outdoor temperature 35°C DB
   Indoor temperature 27°C DB / 19°C WB

2) Select the wire size according to the MCA.

3) The maximum allowable voltage that is unbalanced between phases is 2%.

4) Use a circuit breaker instead of a fuse.

Symbols

MCA: Minimum Circuit Ampere [A]

RLA: Rated load amps [A]

OFM: Outdoor fan motor

FLA: Full Load Ampere [A]

kW: Fan motor rated output [kW]

RHz: Rated operating frequency [Hz]

IFM: Indoor fan motor

MFA: Maximum Fuse Ampere [A]

3D110162

3 Electrical data

3 - 1 Electrical Data

RXM42-60M9

Unit combination restrictions		Power supply					COMP		OFM		IFM	FLA
Outdoor unit	Indoor unit	Hz	Voltage	Voltage	MCA	MFA	RHz	RLA	kW	FLA	kW	
RXM42M3V1B9	FTXM42M2V1B	50	220	MAX. 50Hz	11,24	13	56,5	4,8	0,068	0,34	0,028	0,22
		50	230	264V				5,0				
		50	240	MIN. 50Hz				5,2				
RXM50M3V1B9	FTXM50M2V1B	50	220	MAX. 50Hz	11,65	13	53,5	4,5	0,068	0,34	0,046	0,6
		50	230	264V				4,7				
		50	240	MIN. 50Hz				4,9				
RXM50M3V1B9	FCAG50AVEB	50	220	MAX. 50Hz	11,35	13	64	5,8	0,068	0,34	0,048	0,3
		50	230	264V				6,0				
		50	240	MIN. 50Hz				6,3				
RXM50M3V1B9	FBA50A2VEB	50	220	MAX. 50Hz	12,45	13	59	5,8	0,068	0,34	0,089	1,4
		50	230	264V				6,1				
		50	240	MIN. 50Hz				6,4				
RXM50M3V1B9	FHA50AVEB	50	220	MAX. 50Hz	11,65	13	64	6,0	0,068	0,34	0,090	0,6
		50	230	264V				6,3				
		50	240	MIN. 50Hz				6,5				
RXM50M3V1B9	FFA50A2VEB	50	220	MAX. 50Hz	11,45	13	62	6,0	0,068	0,34	0,050	0,4
		50	230	264V				6,2				
		50	240	MIN. 50Hz				6,5				
RXM50M3V1B9	FDXM50F3V1B	50	220	MAX. 50Hz	11,95	13	61	6,0	0,068	0,34	0,060	0,9
		50	230	264V				6,3				
		50	240	MIN. 50Hz				6,5				
RXM50M3V1B9	FNA50A2VEB	50	220	MAX. 50Hz	11,55	13	61	6,0	0,068	0,34	0,060	0,5
		50	230	264V				6,3				
		50	240	MIN. 50Hz				6,5				
RXM60M3V1B9	FTXM60M2V1B	50	220	MAX. 50Hz	13,53	16	73	5,5	0,068	0,34	0,046	0,6
		50	230	264V				5,7				
		50	240	MIN. 50Hz				5,9				
RXM60M3V1B9	FCAG60AVEB	50	220	MAX. 50Hz	13,23	16	78	7,9	0,068	0,34	0,048	0,3
		50	230	264V				8,3				
		50	240	MIN. 50Hz				8,7				
RXM60M3V1B9	FBA60A2VEB	50	220	MAX. 50Hz	14,23	16	64	6,3	0,068	0,34	0,070	1,3
		50	230	264V				6,6				
		50	240	MIN. 50Hz				6,9				
RXM60M3V1B9	FHA60AVEB	50	220	MAX. 50Hz	13,53	16	71	7,0	0,068	0,34	0,091	0,6
		50	230	264V				7,4				
		50	240	MIN. 50Hz				7,7				
RXM60M3V1B9	FFA60A2VEB	50	220	MAX. 50Hz	13,53	16	70	7,0	0,068	0,34	0,050	0,6
		50	230	264V				7,3				
		50	240	MIN. 50Hz				7,6				
RXM60M3V1B9	FDXM60F3V1B	50	220	MAX. 50Hz	13,83	16	72	7,4	0,068	0,34	0,060	0,9
		50	230	264V				7,7				
		50	240	MIN. 50Hz				8,1				
RXM60M3V1B9	FNA60A2VEB	50	220	MAX. 50Hz	13,53	16	72	7,4	0,068	0,34	0,060	0,6
		50	230	264V				7,7				
		50	240	MIN. 50Hz				8,1				
ARXM50M3V1B9	ATXM50M2V1B	50	220	MAX. 50Hz	11,65	13	53,5	4,5	0,068	0,34	0,046	0,6
		50	230	264V				4,7				
		50	240	MIN. 50Hz				4,9				

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%.

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

3D110163

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA35A / RXM35M9

Cooling **50 Hz** **220 - 240 V**

AFR	15,0
BF	0,08

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,59	3,18	0,67	3,42	3,11	0,73	3,26	3,03	0,80	3,19	3,00	0,82	3,10	2,96	0,86	2,93	2,89	0,93
16,0	22	3,75	3,13	0,67	3,58	3,06	0,74	3,42	2,99	0,80	3,36	2,97	0,83	3,26	2,92	0,86	3,10	2,86	0,93
18,0	25	3,91	3,35	0,68	3,75	3,29	0,74	3,58	3,22	0,80	3,52	3,20	0,83	3,42	3,16	0,87	3,26	3,10	0,93
19,0	27	3,99	3,60	0,68	3,83	3,54	0,74	3,66	3,48	0,81	3,60	3,45	0,83	3,50	3,42	0,87	3,34	3,36	0,93
22,0	30	4,23	3,50	0,68	4,07	3,44	0,75	3,90	3,39	0,81	3,84	3,37	0,84	3,74	3,34	0,88	3,58	3,28	0,94
24,0	32	4,39	3,43	0,69	4,23	3,38	0,75	4,07	3,33	0,82	4,00	3,31	0,84	3,90	3,28	0,88	3,74	3,23	0,94

Heating **50 Hz** **220 - 240 V**

AFR	15,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,86	0,80	2,23	0,84	2,61	0,88	2,98	0,92	4,14	0,97	4,50	1,01
20,0	1,75	0,82	2,12	0,86	2,50	0,90	2,87	0,95	4,00	1,00	4,36	1,03
22,0	1,70	0,83	2,07	0,87	2,45	0,91	2,82	0,95	3,94	1,00	4,31	1,04
24,0	1,65	0,84	2,03	0,88	2,40	0,92	2,78	0,96	3,89	1,01	4,25	1,05
25,0	1,63	0,85	2,01	0,89	2,38	0,93	2,76	0,97	3,86	1,02	4,22	1,05
27,0	1,59	0,85	1,96	0,90	2,33	0,94	2,71	0,98	3,81	1,03	4,17	1,06

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

Symbols

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

3D110072A

FBA50A / RXM50M9

Cooling **50 Hz** **220 - 240 V**

AFR	15,0
BF	0,13

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

Heating **50 Hz** **220 - 240 V**

AFR	15,0

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

Symbols

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

Notes

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

3D110073B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA60A / RXM60M9

Cooling **50 Hz** **220 - 240 V**

AFR	18,0
BF	0,15

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

Heating **50 Hz** **220 - 240 V**

AFR	18,0

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

Symbols

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

Notes

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

3D110074B

FCAG35A / RXM35M9

Cooling **50 Hz** **220 - 240 V**

AFR	12,5
BF	0,4

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

Heating **50 Hz** **220 - 240 V**

AFR	12,5

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

Symbols

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110075A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCAG50A / RXM50M9

Cooling **50 Hz** **220 - 240 V**

AFR	12,6
BF	0,22

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

Heating **50 Hz** **220 - 240 V**

AFR	12,6

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

Symbols

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

Notes

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

3D110076B

FCAG60A / RXM60M9

Cooling **50 Hz** **220 - 240 V**

AFR	13,6
BF	0,2

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

Heating **50 Hz** **220 - 240 V**

AFR	13,6

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,67	4,08	1,75	4,76	1,84	5,44	1,92	7,24	2,02	7,87	2,09
20,0	3,18	1,71	3,87	1,80	4,55	1,88	5,23	1,97	7,00	2,07	7,63	2,14
22,0	3,10	1,73	3,78	1,82	4,47	1,90	5,15	1,99	6,90	2,09	7,54	2,16
24,0	3,02	1,75	3,70	1,84	4,38	1,92	5,07	2,01	6,81	2,11	7,38	2,18
25,0	2,97	1,76	3,66	1,84	4,34	1,93	5,03	2,02	6,76	2,12	7,13	2,19
27,0	2,89	1,78	3,57	1,86	4,26	1,95	4,94	2,03	6,64	2,14	6,64	2,20

Symbols

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

Notes

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

3D110077B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM25F9 / RXM25M9

Cooling **50 Hz** **220 - 240 V**

AFR	8,7
BF	0,17

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

Heating **50 Hz** **220 - 240 V**

AFR	8,7

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

Symbols

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

Notes

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

3D110078A

FDXM35F9 / RXM35M9

Cooling **50 Hz** **220 - 240 V**

AFR	8,7
BF	0,17

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

Heating **50 Hz** **220 - 240 V**

AFR	8,7

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,86	0,92	2,23	0,97	2,61	1,02	2,98	1,07	4,14	1,12	4,50	1,16
20,0	1,75	0,95	2,12	1,00	2,50	1,05	2,87	1,09	4,00	1,15	4,36	1,19
22,0	1,70	0,96	2,07	1,01	2,45	1,06	2,82	1,10	3,94	1,16	4,31	1,20
24,0	1,65	0,97	2,03	1,02	2,40	1,07	2,78	1,11	3,89	1,17	4,25	1,21
25,0	1,63	0,98	2,01	1,02	2,38	1,07	2,76	1,12	3,86	1,18	4,22	1,21
27,0	1,59	0,99	1,96	1,03	2,33	1,08	2,71	1,13	3,81	1,19	4,02	1,21

Symbols

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: 0m
6. **The air flow rate and bypass factor are mentioned in the table.**

3D110079A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM50F9 / RXM50M9

Cooling 50 Hz 220 - 240 V

AFR	12,0
BF	0,11

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,38	3,24	1,15	4,38	3,24	1,30	4,38	3,24	1,46	4,38	3,24	1,53	4,38	3,24	1,62	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	1,64	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	1,65	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	1,65	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	1,66	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	1,67	5,17	3,22	1,75

Heating 50 Hz 220 - 240 V

AFR	12,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110080B

FDXM60F9 / RXM60M9

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,78	4,27	1,53	5,78	4,27	1,72	5,59	4,17	1,89	5,48	4,11	1,95	5,31	4,03	2,04	4,37	3,58	2,01
16,0	22	6,42	4,38	1,59	6,14	4,24	1,74	5,86	4,11	1,90	5,75	4,06	1,96	5,59	3,98	2,05	4,59	3,53	2,01
18,0	25	6,70	4,57	1,60	6,42	4,44	1,75	6,14	4,32	1,91	6,03	4,27	1,97	5,86	4,20	2,06	4,81	3,75	2,01
19,0	27	6,84	4,80	1,60	6,56	4,68	1,76	6,28	4,56	1,91	6,17	4,51	1,97	6,00	4,44	2,06	4,92	4,00	2,01
22,0	30	7,25	4,62	1,62	6,97	4,52	1,77	6,69	4,41	1,92	6,58	4,37	1,98	6,41	4,31	2,08	5,24	3,89	2,01
24,0	32	7,53	4,50	1,63	7,25	4,40	1,78	6,97	4,30	1,93	6,86	4,26	1,99	6,69	4,21	2,08	5,46	3,80	2,01

Heating 50 Hz 220 - 240 V

AFR	16,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,75	4,08	1,84	4,76	1,93	5,44	2,02	7,24	2,13	7,87	2,20
20,0	3,18	1,80	3,87	1,89	4,55	1,98	5,23	2,07	7,00	2,18	7,63	2,25
22,0	3,10	1,82	3,78	1,91	4,47	2,00	5,15	2,09	6,90	2,20	7,54	2,27
24,0	3,02	1,84	3,70	1,93	4,38	2,02	5,07	2,11	6,81	2,22	7,44	2,29
25,0	2,97	1,85	3,66	1,94	4,34	2,03	5,03	2,12	6,76	2,23	7,39	2,30
27,0	2,89	1,87	3,57	1,96	4,26	2,05	4,94	2,14	6,66	2,25	7,29	2,32

Symbols

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

Notes

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

3D110081B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA25A / RXM25M9

Cooling **50 Hz** **220 - 240 V**

AFR	9,0
BF	0,24

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

Heating **50 Hz** **220 - 240 V**

AFR	9,0

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

Symbols

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

Notes

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

3D110082A

FFA35A / RXM35M9

Cooling **50 Hz** **220 - 240 V**

AFR	10,0
BF	0,25

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

Heating **50 Hz** **220 - 240 V**

AFR	10,0

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

Symbols

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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. 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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110083A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA50A / RXM50M9

Cooling **50 Hz** **220 - 240 V**

AFR	12,0
BF	0,16

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

Heating **50 Hz** **220 - 240 V**

AFR	12,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110085B

FFA60A / RXM60M9

Cooling **50 Hz** **220 - 240 V**

AFR	14,5
BF	0,11

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

Heating **50 Hz** **220 - 240 V**

AFR	14,5

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,65	4,08	1,74	4,76	1,82	5,44	1,91	7,24	2,01	7,87	2,07
20,0	3,18	1,70	3,87	1,78	4,55	1,87	5,23	1,95	7,00	2,05	7,63	2,12
22,0	3,10	1,72	3,78	1,80	4,47	1,89	5,15	1,97	6,90	2,07	7,54	2,14
24,0	3,02	1,73	3,70	1,82	4,38	1,90	5,07	1,99	6,81	2,09	7,44	2,16
25,0	2,97	1,74	3,66	1,83	4,34	1,91	5,03	2,00	6,76	2,10	7,39	2,17
27,0	2,89	1,76	3,57	1,85	4,26	1,93	4,94	2,02	6,66	2,12	7,29	2,19

Symbols

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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110084B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA35A / RXM35M9

Cooling 50 Hz 220 - 240 V

AFR	14,0
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,48	2,89	0,70	3,33	2,82	0,77	3,17	2,75	0,83	3,10	2,72	0,86	3,01	2,67	0,90	2,85	2,60	0,97
16,0	22	3,64	2,85	0,70	3,48	2,78	0,77	3,32	2,71	0,84	3,26	2,68	0,87	3,17	2,64	0,91	3,01	2,57	0,97
18,0	25	3,80	3,03	0,71	3,64	2,96	0,77	3,48	2,90	0,84	3,42	2,87	0,87	3,32	2,83	0,91	3,16	2,77	0,98
19,0	27	3,87	3,23	0,71	3,72	3,17	0,78	3,56	3,11	0,84	3,49	3,08	0,87	3,40	3,05	0,91	3,24	2,99	0,98
22,0	30	4,11	3,13	0,72	3,95	3,08	0,78	3,79	3,02	0,85	3,73	3,00	0,88	3,63	2,97	0,92	3,48	2,92	0,98
24,0	32	4,27	3,06	0,72	4,11	3,01	0,79	3,95	2,96	0,85	3,89	2,95	0,88	3,79	2,92	0,92	3,63	2,87	0,99

Heating 50 Hz 220 - 240 V

AFR	14,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,86	0,79	2,23	0,83	2,61	0,87	2,98	0,91	4,14	0,96	4,50	0,99
20,0	1,75	0,81	2,12	0,85	2,50	0,89	2,87	0,93	4,00	0,98	4,36	1,01
22,0	1,70	0,82	2,07	0,86	2,45	0,90	2,82	0,94	3,94	0,99	4,31	1,02
24,0	1,65	0,83	2,03	0,87	2,40	0,91	2,78	0,95	3,89	1,00	4,25	1,03
25,0	1,63	0,83	2,01	0,87	2,38	0,91	2,76	0,95	3,86	1,00	4,22	1,03
27,0	1,59	0,84	1,96	0,88	2,33	0,92	2,71	0,96	3,81	1,01	4,17	1,04

Symbols

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110086A

FHA50A / RXM50M9

Cooling 50 Hz 220 - 240 V

AFR	15,0
BF	0,18

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

Heating 50 Hz 220 - 240 V

AFR	15,0

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

Symbols

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

Notes

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

3D110087B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA60A / RXM60M9

Cooling **50 Hz** **220 - 240 V**

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,84	4,45	1,33	5,57	4,32	1,46	5,31	4,19	1,59	5,20	4,13	1,64	5,04	4,06	1,71	4,78	3,93	1,84
16,0	22	6,10	4,37	1,34	5,84	4,25	1,47	5,57	4,13	1,59	5,47	4,08	1,64	5,31	4,01	1,72	5,04	3,89	1,85
18,0	25	6,36	4,59	1,34	6,10	4,48	1,47	5,83	4,37	1,60	5,73	4,32	1,65	5,57	4,26	1,73	5,30	4,15	1,86
19,0	27	6,50	4,86	1,35	6,23	4,75	1,48	5,97	4,64	1,60	5,86	4,60	1,66	5,70	4,54	1,73	5,43	4,43	1,86
22,0	30	6,89	4,69	1,36	6,62	4,60	1,49	6,36	4,50	1,62	6,25	4,46	1,67	6,09	4,41	1,74	5,83	4,31	1,87
24,0	32	7,15	4,57	1,37	6,89	4,49	1,50	6,62	4,40	1,62	6,52	4,36	1,68	6,36	4,31	1,75	6,09	4,23	1,88

AFR	19,5
BF	0,2

Heating **50 Hz** **220 - 240 V**

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

AFR	19,5

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110088B

FNA25A / RXM25M9

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

AFR	8,7
BF	0,17

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

AFR	8,7

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110089A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA35A / RXM35M9

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

AFR	8,7
BF	0,17

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

AFR	8,7

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110090A

FNA50A / RXM50M9

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
BF	0,12

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

AFR	16,0

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110091B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA60A / RXM60M9

Cooling **50 Hz** **220 - 240 V**

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,78	4,27	1,66	5,78	4,27	1,86	5,59	4,17	2,03	5,48	4,11	2,10	5,31	4,03	2,20	3,82	3,32	2,01
16,0	22	6,42	4,38	1,71	6,14	4,24	1,88	5,86	4,11	2,04	5,75	4,06	2,11	5,59	3,98	2,21	4,02	3,28	2,01
18,0	25	6,70	4,57	1,72	6,42	4,44	1,89	6,14	4,32	2,05	6,03	4,27	2,12	5,86	4,20	2,22	4,22	3,51	2,01
19,0	27	6,84	4,80	1,73	6,56	4,68	1,89	6,28	4,56	2,06	6,17	4,51	2,12	6,00	4,44	2,22	4,32	3,77	2,01
22,0	30	7,25	4,62	1,74	6,97	4,52	1,91	6,69	4,41	2,07	6,58	4,37	2,14	6,41	4,31	2,24	4,62	3,67	2,01
24,0	32	7,53	4,50	1,75	7,25	4,40	1,92	6,97	4,30	2,08	6,86	4,26	2,15	6,69	4,21	2,25	4,82	3,60	2,01

AFR	16,0
BF	0,12

Heating **50 Hz** **220 - 240 V**

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,81	4,08	1,90	4,76	2,00	5,44	2,09	7,24	2,20	7,87	2,27
20,0	3,18	1,86	3,87	1,95	4,55	2,05	5,23	2,14	7,00	2,25	7,63	2,32
22,0	3,10	1,88	3,78	1,97	4,47	2,07	5,15	2,16	6,90	2,27	7,54	2,35
24,0	3,02	1,90	3,70	1,99	4,38	2,09	5,07	2,18	6,81	2,29	7,44	2,37
25,0	2,97	1,91	3,66	2,00	4,34	2,10	5,03	2,19	6,76	2,30	7,39	2,38
27,0	2,89	1,93	3,57	2,03	4,26	2,12	4,94	2,21	6,66	2,32	7,29	2,40

AFR	16,0

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110092B

FTXM20M / RXM20M9

Cooling 220-240V 50Hz

AFR	11,1
BF	0,16

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

Heating 220-240V 50Hz

AFR	10,4

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

Notes

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

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor
1 Indoor air temperature [°C DB]
2 Indoor air temperature [°C WB]
3 Outdoor air temperature [°C DB]
4 Outdoor air temperature [°C WB]

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM42M / RXM42M9

Cooling 220-240V 50Hz

AFR	11,2
BF	0,15

1	2	3																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,72	2,76	0,97	3,52	2,64	1,00	3,33	2,60	1,03	3,25	2,56	1,05	3,13	2,50	1,11	2,93	2,41	1,19
16	22	4,50	3,01	0,97	4,30	2,89	1,00	4,11	2,85	1,03	4,03	2,81	1,06	3,91	2,75	1,11	3,71	2,66	1,20
18	25	4,69	3,16	0,98	4,49	3,07	1,01	4,30	2,98	1,04	4,22	2,95	1,07	4,10	2,90	1,12	3,91	2,81	1,20
19	27	4,79	3,32	0,98	4,59	3,23	1,01	4,40	3,15	1,04	4,32	3,11	1,07	4,20	3,06	1,12	4,00	2,98	1,21
22	30	5,08	3,19	0,99	4,88	3,12	1,02	4,69	3,04	1,05	4,61	3,01	1,08	4,49	2,97	1,13	4,29	2,90	1,22
24	32	5,27	3,10	0,99	5,07	3,03	1,02	4,88	2,97	1,05	4,80	2,94	1,08	4,68	2,90	1,13	4,49	2,83	1,22

Heating 220-240V 50Hz

AFR	12,4

2	4											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,57	0,84	3,09	0,89	3,61	0,93	4,12	1,22	5,59	1,28	6,07	1,32
20	2,41	0,87	2,93	0,91	3,45	0,95	3,97	1,25	5,40	1,31	5,89	1,35
22	2,35	0,88	2,87	0,92	3,39	0,96	3,90	1,26	5,33	1,32	5,81	1,36
24	2,29	0,89	2,80	0,93	3,32	0,97	3,84	1,27	5,25	1,33	5,74	1,38
25	2,25	0,89	2,77	0,93	3,29	0,98	3,81	1,27	5,21	1,34	5,65	1,38
27	2,19	0,90	2,71	0,94	3,23	0,99	3,75	1,29	5,14	1,35	5,58	1,35

Notes

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

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

1 Indoor air temperature [°C DB]

2 Indoor air temperature [°C WB]

3 Outdoor air temperature [°C DB]

4 Outdoor air temperature [°C WB]

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FVXM25F / RXM25M9

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

AFR	8,2
BF	0,1

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

AFR	8,8

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: 0m
6. **The air flow rate and bypass factor are mentioned in the table.**

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXM35F / RXM35M9

Cooling **50 Hz 220 - 240 V**

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

AFR	8,5
BF	0,11

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

AFR	9,4

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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

3D110094A

FVXM50F / RXM50M9

Cooling **·50· Hz ·220 - 240· V**

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	3,82	2,82	0,98	3,82	2,82	1,12	3,82	2,82	1,27	3,82	2,82	1,33	3,82	2,82	1,42	3,82	2,82	1,57
16,0	22	4,86	3,20	1,12	4,86	3,20	1,27	4,86	3,20	1,42	4,79	3,16	1,47	4,65	3,09	1,54	4,42	2,98	1,65
18,0	25	5,58	3,56	1,20	5,35	3,45	1,32	5,12	3,34	1,43	5,02	3,29	1,48	4,88	3,23	1,54	4,65	3,12	1,66
19,0	27	5,70	3,71	1,20	5,47	3,60	1,32	5,23	3,49	1,43	5,14	3,45	1,48	5,00	3,39	1,55	4,77	3,28	1,66
22,0	30	6,04	3,56	1,21	5,81	3,46	1,33	5,58	3,37	1,44	5,49	3,33	1,49	5,35	3,27	1,56	5,11	3,18	1,67
24,0	32	6,27	3,45	1,22	6,04	3,36	1,34	5,81	3,27	1,45	5,72	3,24	1,50	5,58	3,19	1,57	5,34	3,10	1,68

AFR	10,7
BF	0,13

Heating **·50· Hz ·220 - 240· V**

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,29	3,24	1,35	3,78	1,42	4,33	1,48	6,00	1,56	6,52	1,61
20,0	2,53	1,32	3,07	1,39	3,62	1,45	4,16	1,52	5,80	1,60	6,32	1,65
22,0	2,46	1,34	3,01	1,40	3,55	1,47	4,10	1,53	5,72	1,61	6,24	1,66
24,0	2,40	1,35	2,94	1,42	3,49	1,48	4,03	1,55	5,64	1,63	5,79	1,68
25,0	2,36	1,36	2,91	1,42	3,45	1,49	4,00	1,55	5,57	1,63	5,57	1,69
27,0	2,30	1,37	2,84	1,44	3,39	1,50	3,93	1,57	5,13	1,65	5,13	1,70

AFR	11,8

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

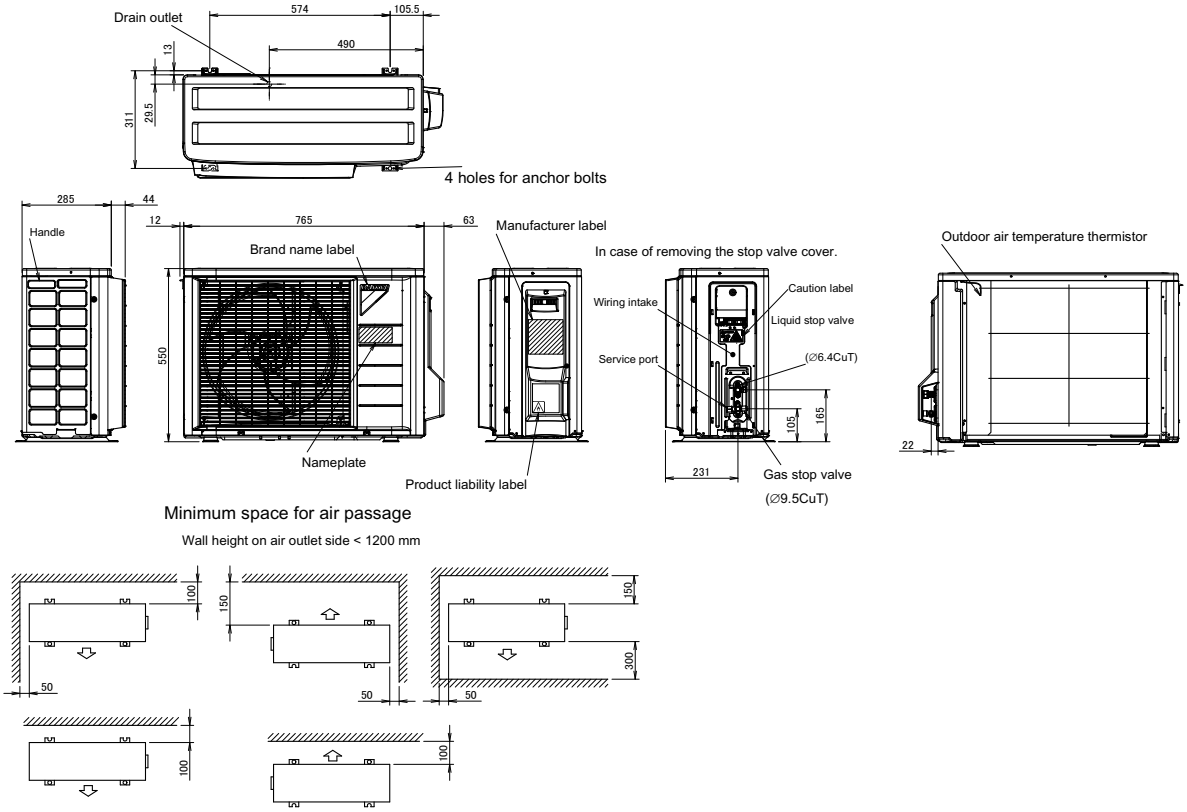
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in
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.

3D110095B

5 Dimensional drawings

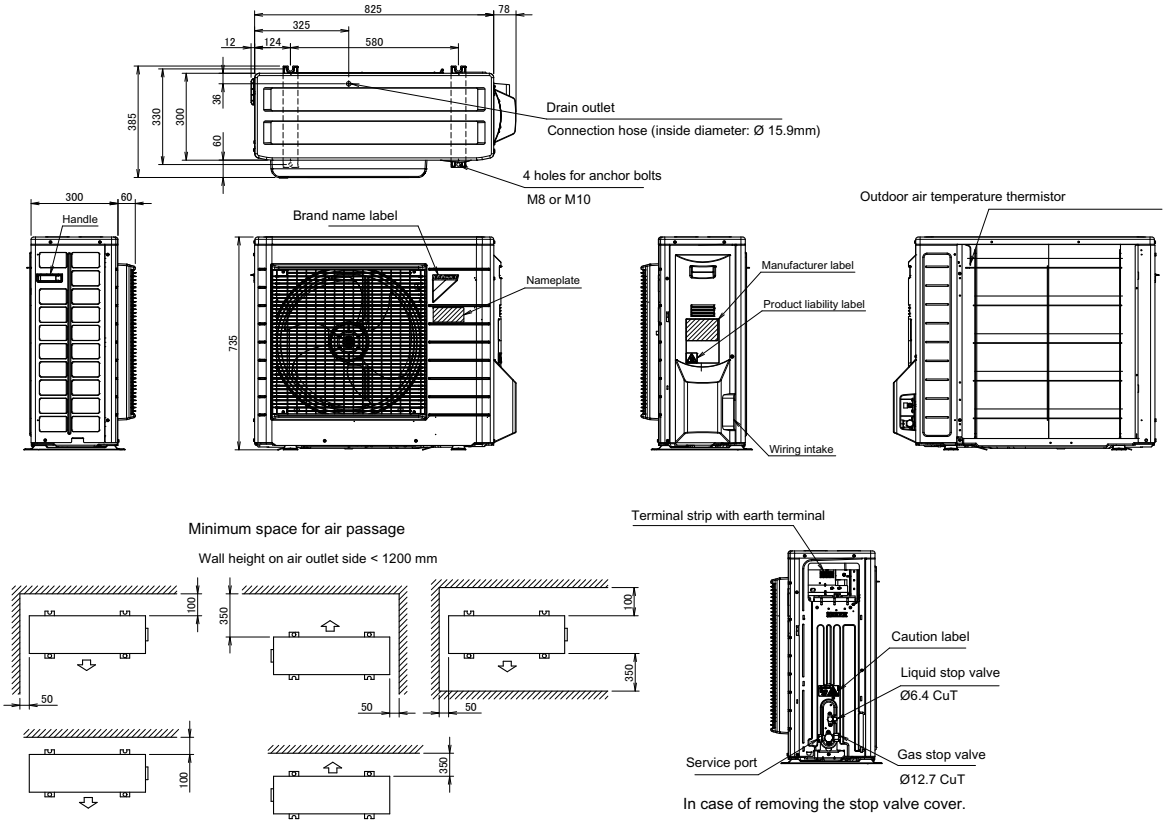
5 - 1 Dimensional Drawings

RXM20-35M9



3D099636C

RXM42-60M9

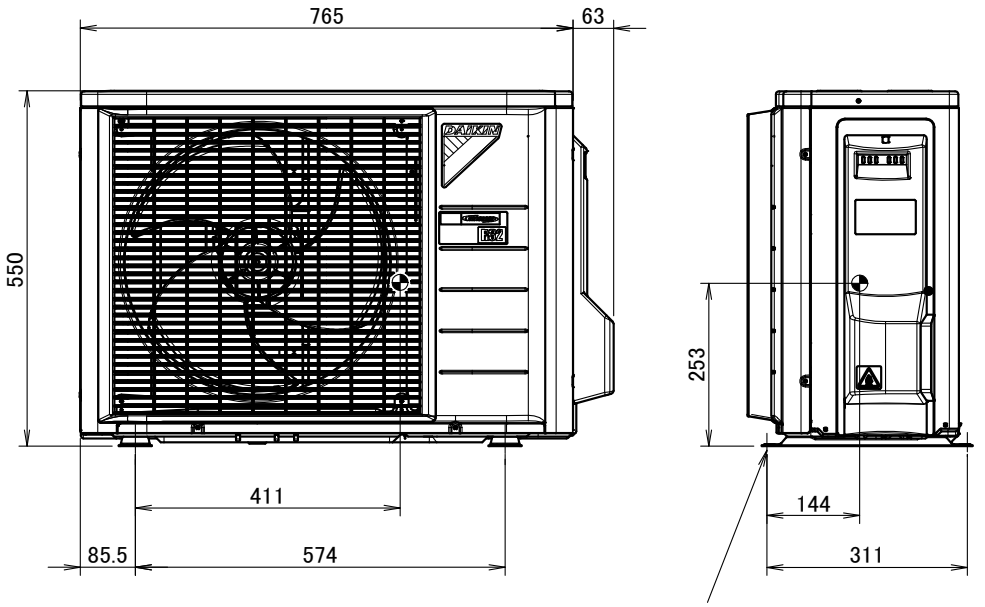


3D101541C

6 Centre of gravity

6 - 1 Centre of Gravity

RXM20-35M9

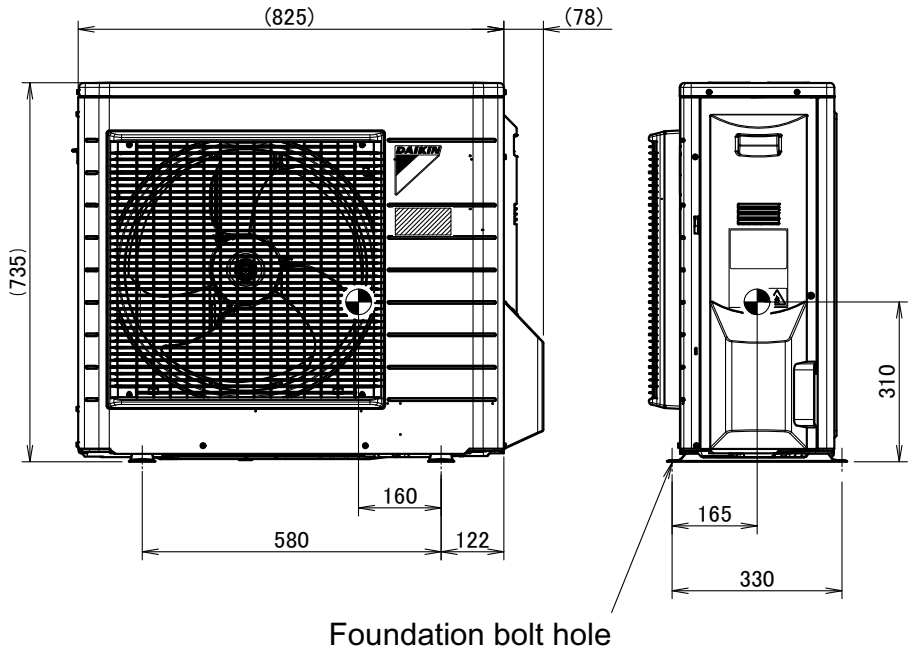


4D099652B

6 Centre of gravity

6 - 1 Centre of Gravity

RXM42-60M9

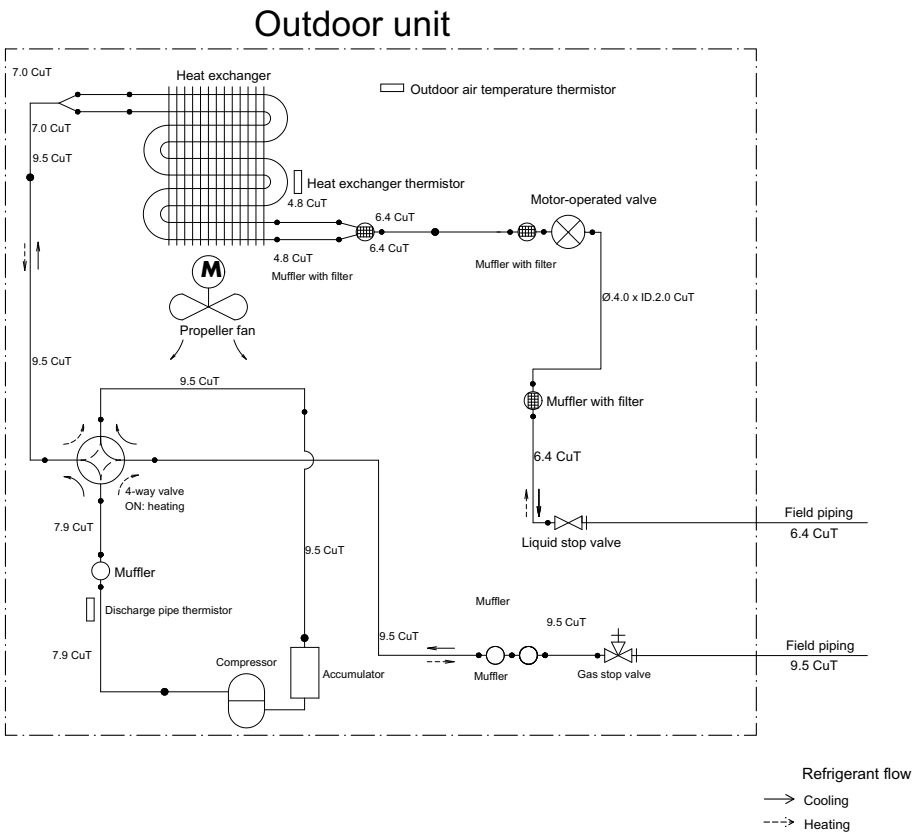


4D102113A

7 Piping diagrams

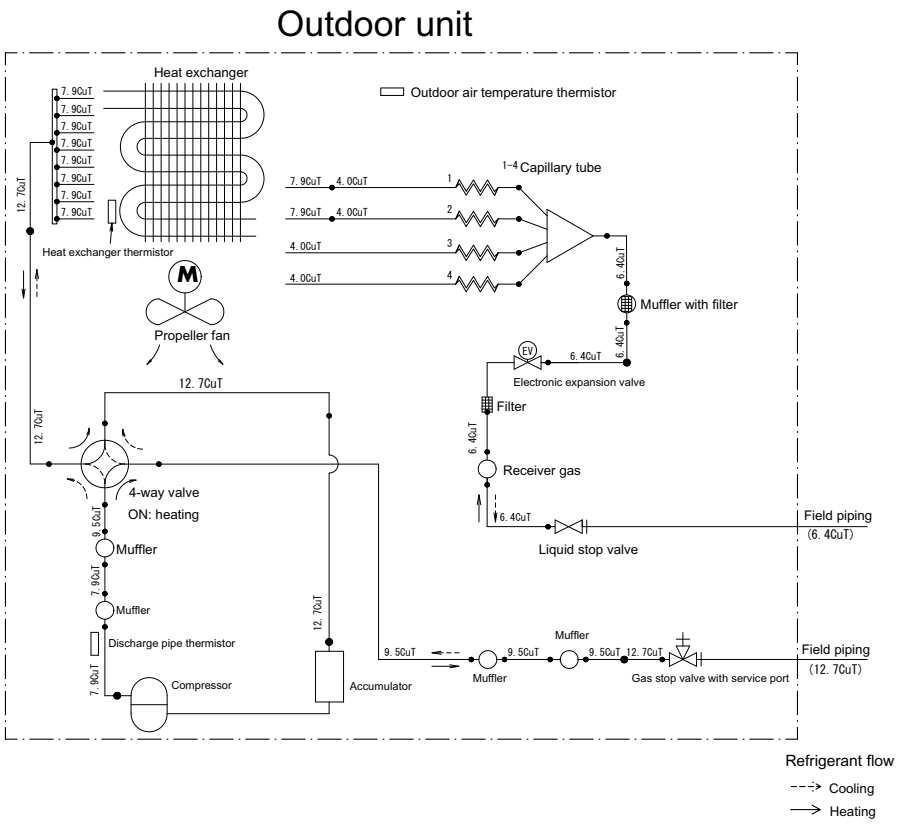
7 - 1 Piping Diagrams

RXM20-35M9



3D091995B

RXM42-50M9



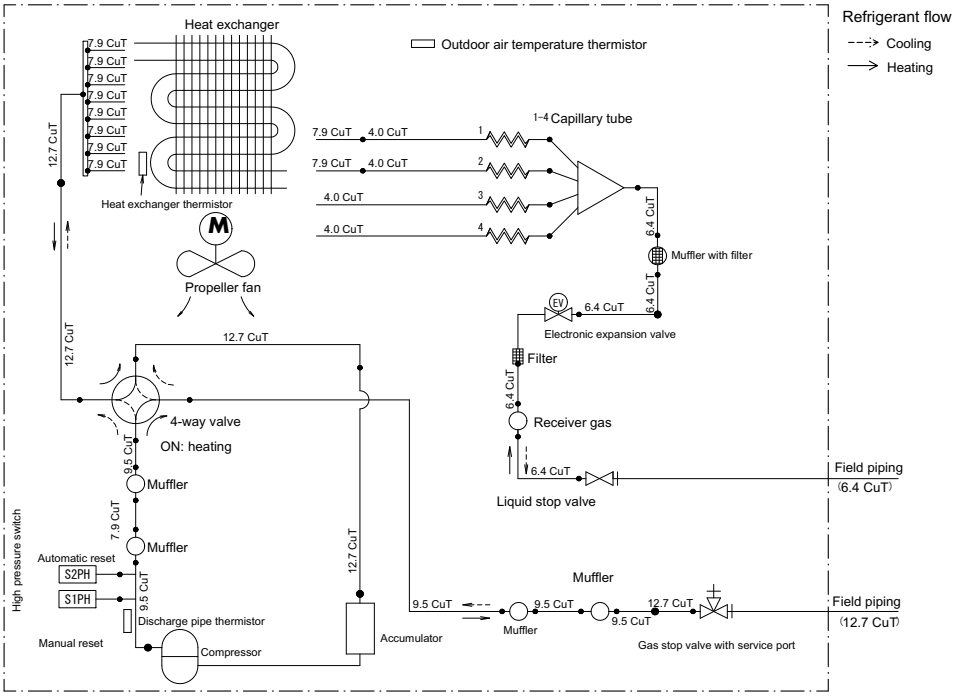
3D092010D

7 Piping diagrams

7 - 1 Piping Diagrams

RXM60M9

Outdoor unit

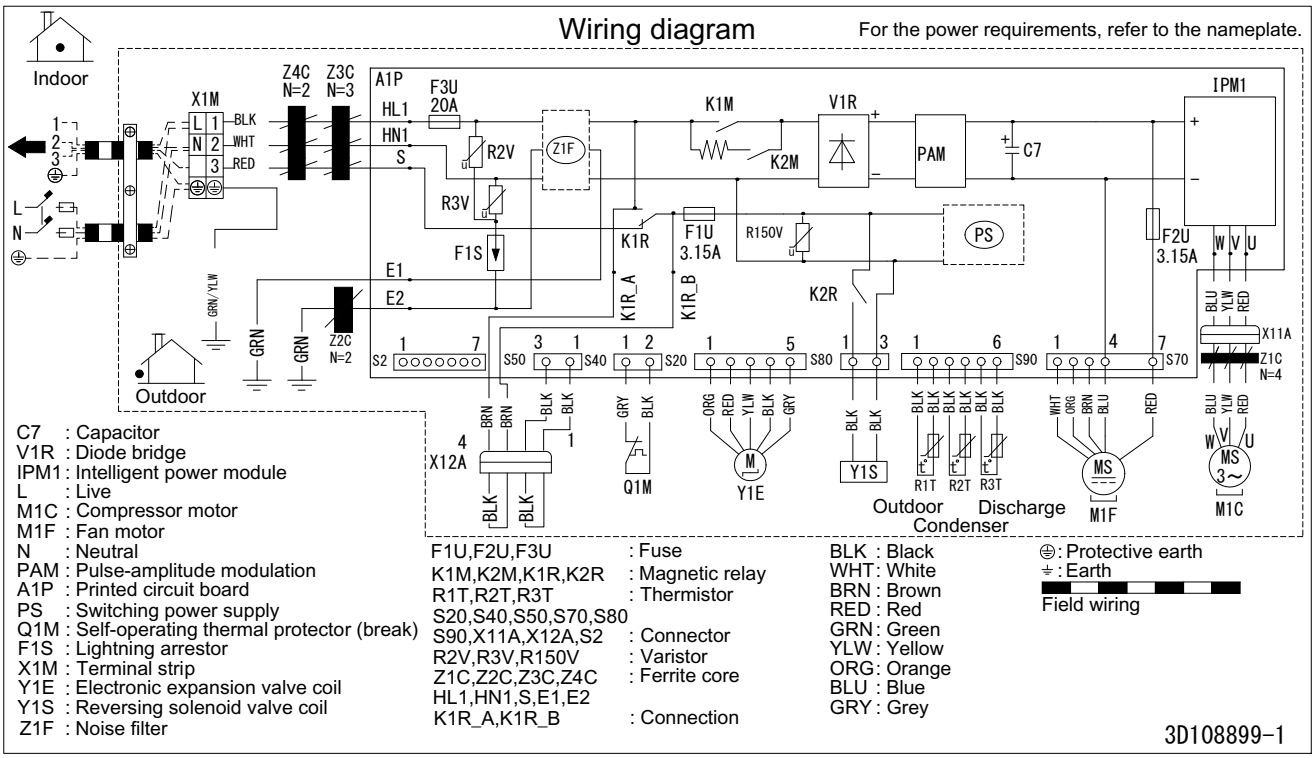


3D101185B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM20-35M9



C7 : Capacitor
V1R : Diode bridge
IPM1 : Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
N : Neutral
PAM : Pulse-amplitude modulation
A1P : Printed circuit board
PS : Switching power supply
Q1M : Self-operating thermal protector (break)
F1S : Lightning arrestor
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil
Z1F : Noise filter

F1U,F2U,F3U : Fuse
K1M,K2M,K1R,K2R : Magnetic relay
R1T,R2T,R3T : Thermistor
S20,S40,S50,S70,S80
S90,X11A,X12A,S2 : Connector
R2V,R3V,R150V : Varistor
Z1C,Z2C,Z3C,Z4C : Ferrite core
HL1,HN1,S,E1,E2
K1R_A,K1R_B : Connection

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

⏚ : Protective earth
⏚ : Earth
Field wiring

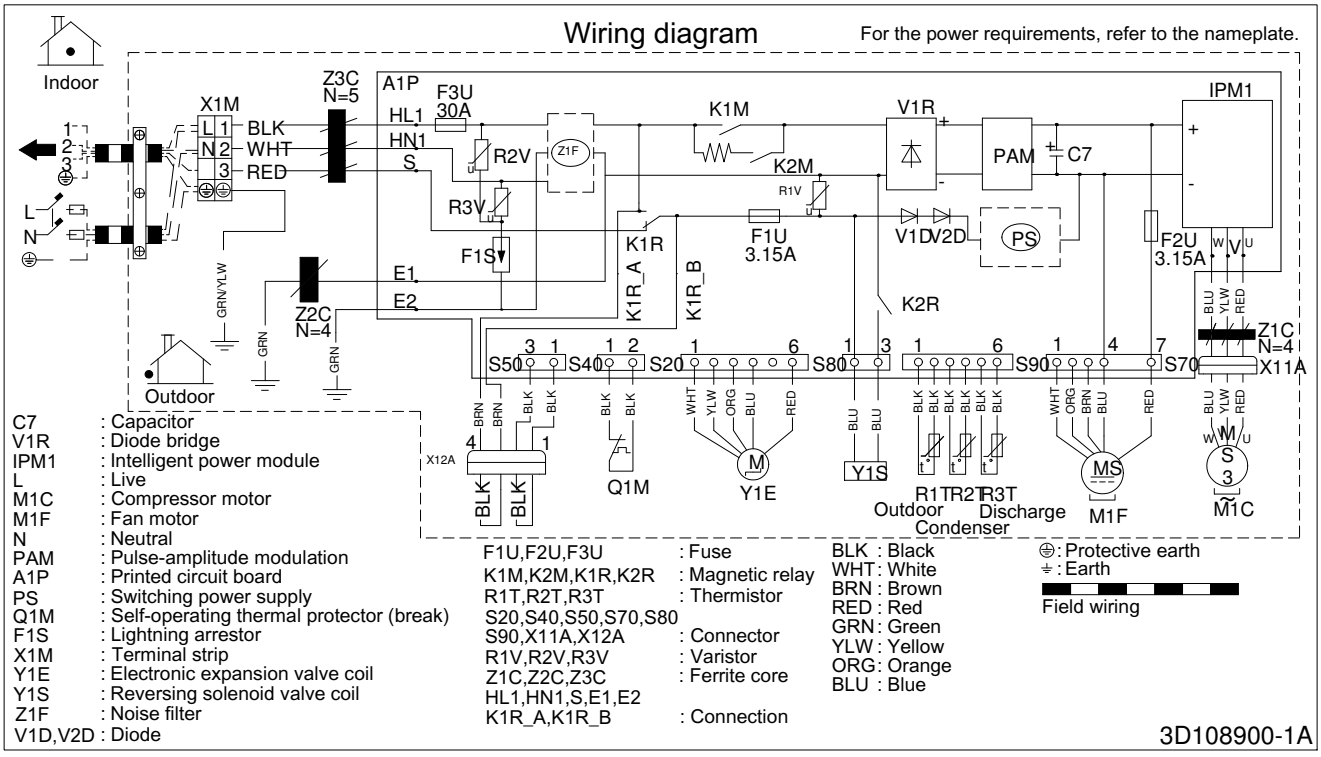
3D108899-1

NOTES:

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

3D108899

RXM42-50M9



C7 : Capacitor
V1R : Diode bridge
IPM1 : Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
N : Neutral
PAM : Pulse-amplitude modulation
A1P : Printed circuit board
PS : Switching power supply
Q1M : Self-operating thermal protector (break)
F1S : Lightning arrestor
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil
Z1F : Noise filter
V1D,V2D : Diode

F1U,F2U,F3U : Fuse
K1M,K2M,K1R,K2R : Magnetic relay
R1T,R2T,R3T : Thermistor
S20,S40,S50,S70,S80
S90,X11A,X12A : Connector
R1V,R2V,R3V : Varistor
Z1C,Z2C,Z3C : Ferrite core
HL1,HN1,S,E1,E2
K1R_A,K1R_B : Connection

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

⏚ : Protective earth
⏚ : Earth
Field wiring

3D108900-1A

NOTES:

1. Size: length 105x width 185.
2. Refer to purchasing specification AS303002 unless otherwise specified.

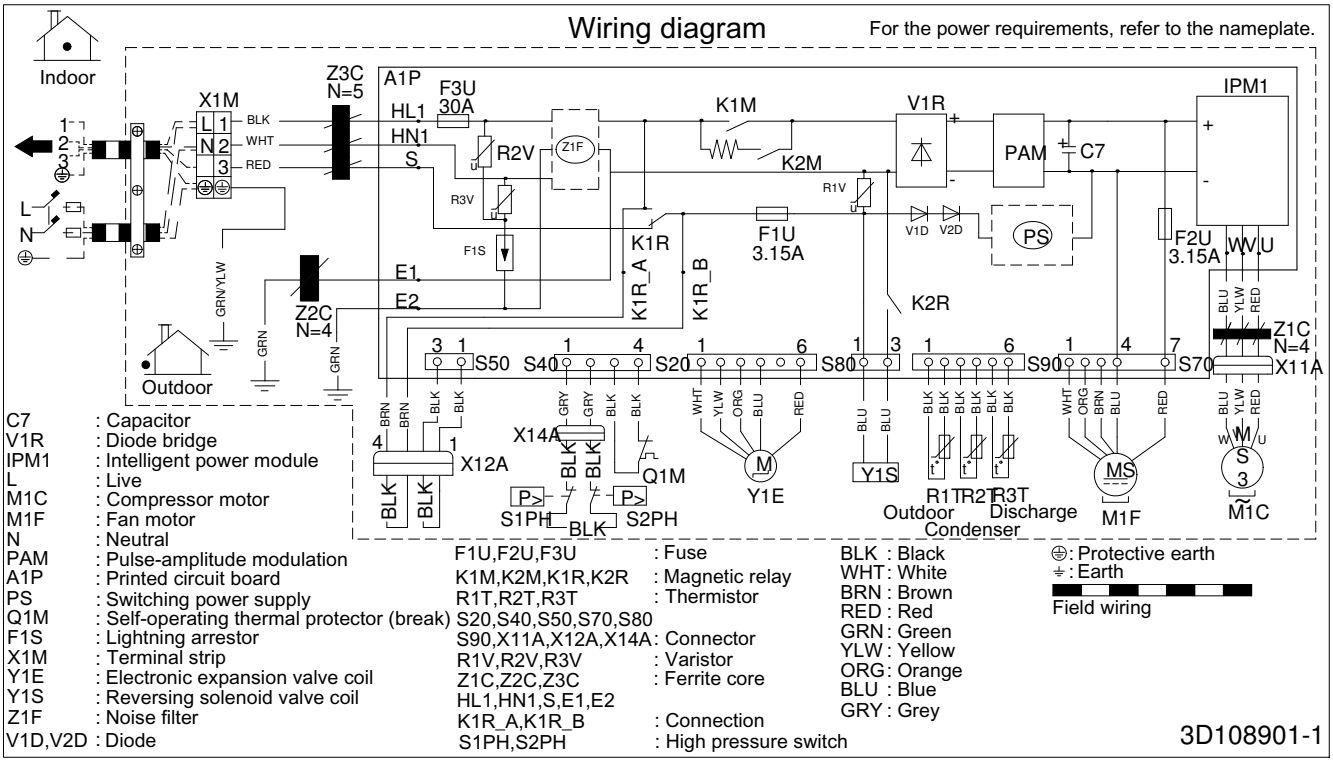
3D108900A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

8

RXM60M9



C7	: Capacitor	F1U,F2U,F3U	: Fuse	BLK : Black	⏚: Protective earth
V1R	: Diode bridge	K1M,K2M,K1R,K2R	: Magnetic relay	WHT : White	⏚: Earth
IPM1	: Intelligent power module	R1T,R2T,R3T	: Thermistor	BRN : Brown	Field wiring
L	: Live	S20,S40,S50,S70,S80		RED : Red	
M1C	: Compressor motor	S90,X11A,X12A,X14A	: Connector	GRN : Green	
M1F	: Fan motor	R1V,R2V,R3V	: Varistor	YLW : Yellow	
N	: Neutral	Z1C,Z2C,Z3C	: Ferrite core	ORG : Orange	
PAM	: Pulse-amplitude modulation	HL1,HN1,S,E1,E2		BLU : Blue	
A1P	: Printed circuit board	K1R_A,K1R_B	: Connection	GRY : Grey	
PS	: Switching power supply	S1PH,S2PH	: High pressure switch		
Q1M	: Self-operating thermal protector (break)				
F1S	: Lightning arrestor				
X1M	: Terminal strip				
Y1E	: Electronic expansion valve coil				
Y1S	: Reversing solenoid valve coil				
Z1F	: Noise filter				
V1D,V2D	: Diode				

3D108901-1

NOTES:

1. Size: length 105 x width 185.
2. Refer to purchasing specification AS303002 unless otherwise specified.

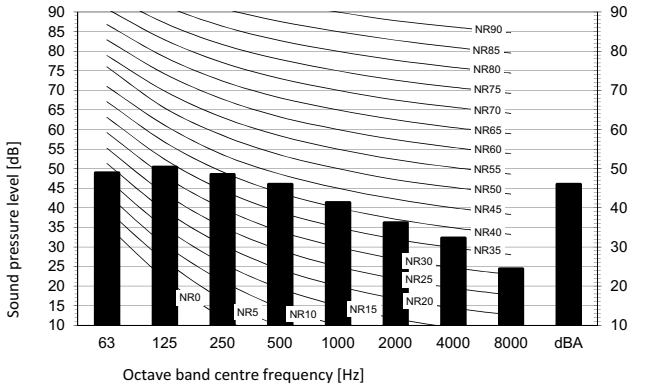
3D108901

9 Sound data

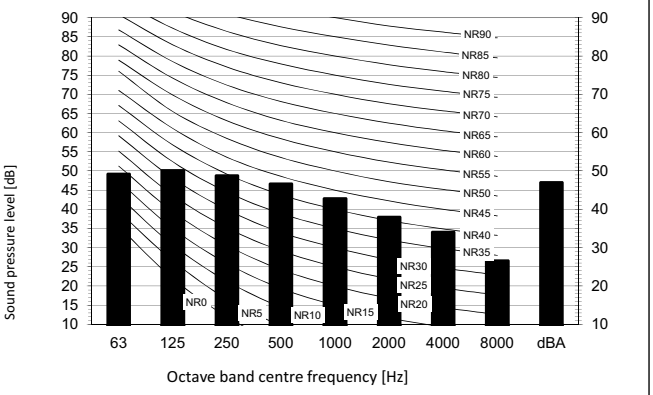
9 - 1 Sound Pressure Spectrum

RXM20M9

Cooling mode



Heating mode



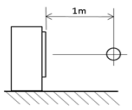
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Notes

1 Background noise already taken into account.

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

3 Operating noise varies depending on operation and ambient conditions.

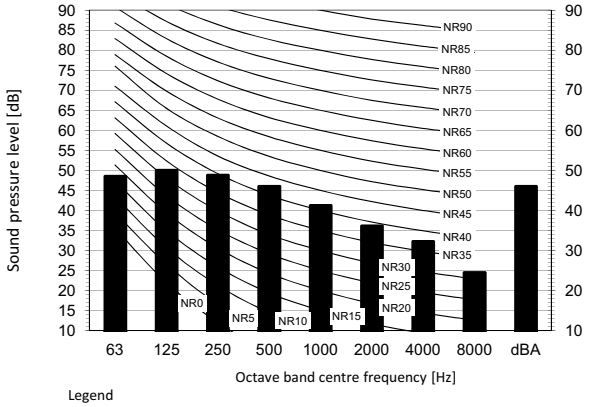
4 The operation noise measuring method is in accordance with JISC9612.

5 Measuring location: anechoic chamber

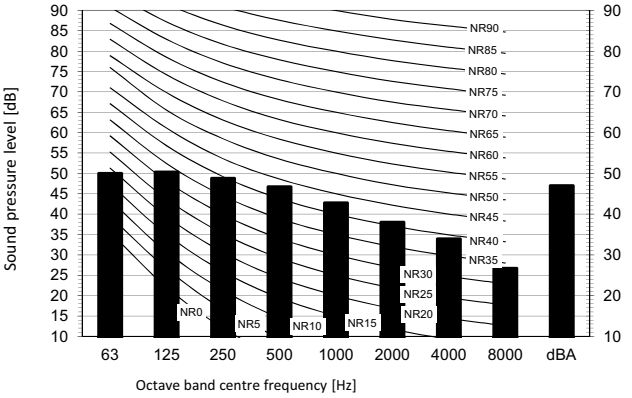
3D110121

RXM25M9

Cooling mode



Heating mode



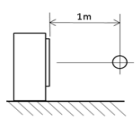
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Notes

1 Background noise already taken into account.

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

3 Operating noise varies depending on operation and ambient conditions.

4 The operation noise measuring method is in accordance with JISC9612.

5 Measuring location: anechoic chamber

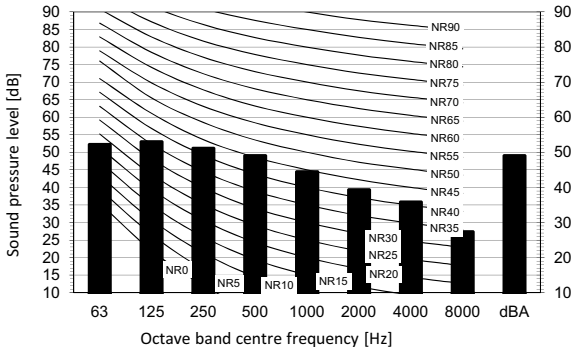
3D110122

9 Sound data

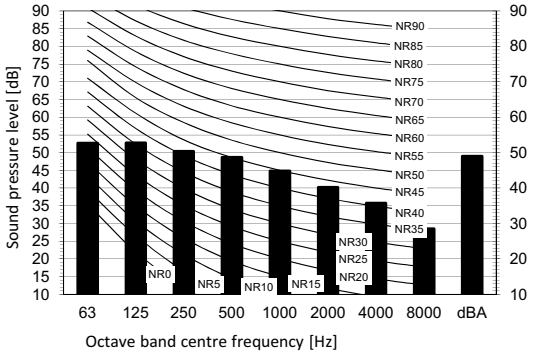
9 - 1 Sound Pressure Spectrum

RXM35M9

C ooling mode



Heating mode

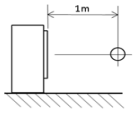


Legend

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

A Scale
B Fan speed: High

Location of microphone



C ooling Total dB

A	B
dBA	49

Heating Total dB

A	B
dBA	49

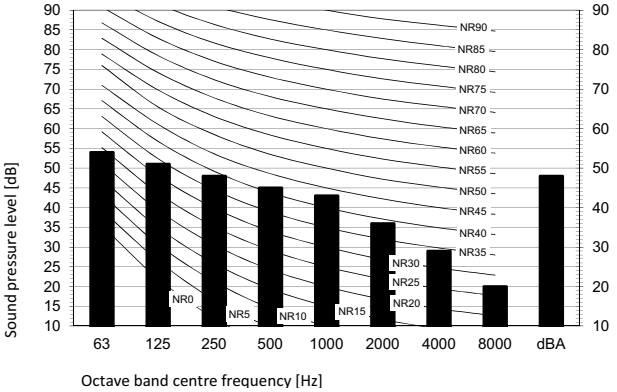
Notes

1 Background noise already taken into account.
2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
3 Operating noise varies depending on operation and ambient conditions.
4 The operation noise measuring method is in accordance with JISC 9612.
5 Measuring location: anechoic chamber

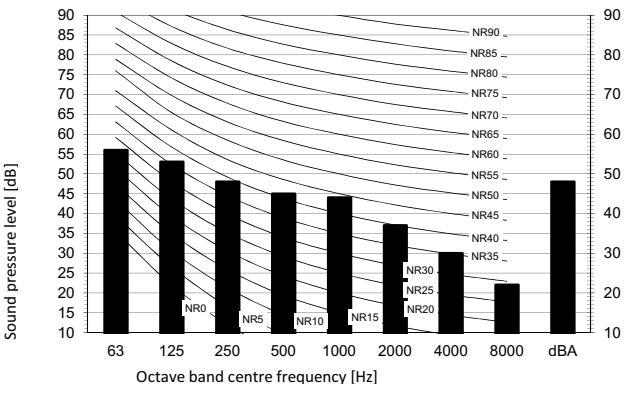
3D110123

RXM42M9

C ooling mode



Heating mode

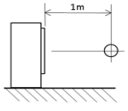


Legend

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

A Scale
B Fan speed: High

Location of microphone



C ooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	48

Notes

1 Background noise already taken into account.
2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
3 Operating noise varies depending on operation and ambient conditions.
4 The operation noise measuring method is in accordance with JISC 9612.
5 Measuring location: anechoic chamber

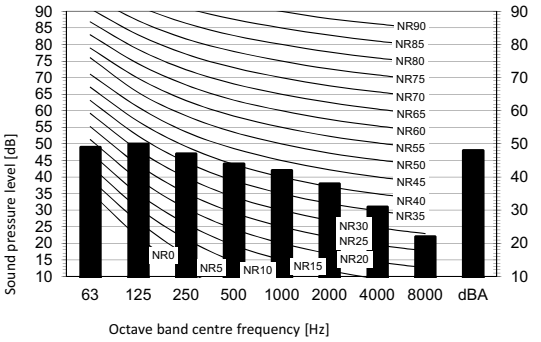
3D110124

9 Sound data

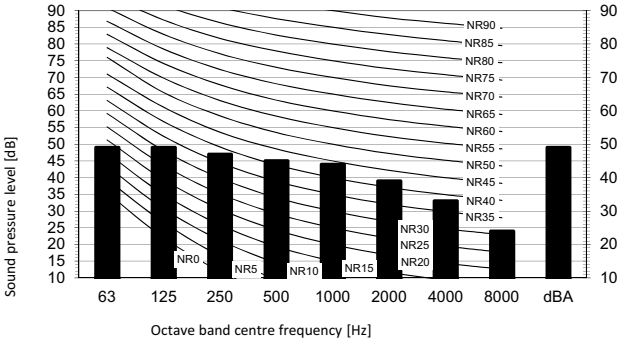
9 - 1 Sound Pressure Spectrum

RXM50M9

C ooling mode



Heating mode



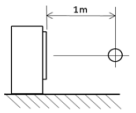
Legend

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

A Scale

B Fan speed: High

Location of microphone



C ooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Notes

1 Background noise already taken into account.

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

3 Operating noise varies depending on operation and ambient conditions.

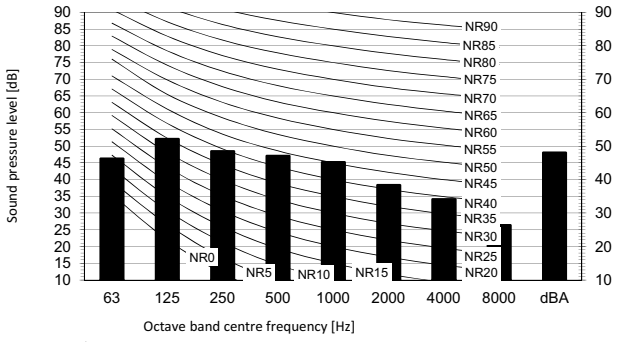
4 The operation noise measuring method is in accordance with JISC 9612.

5 Measuring location: anechoic chamber

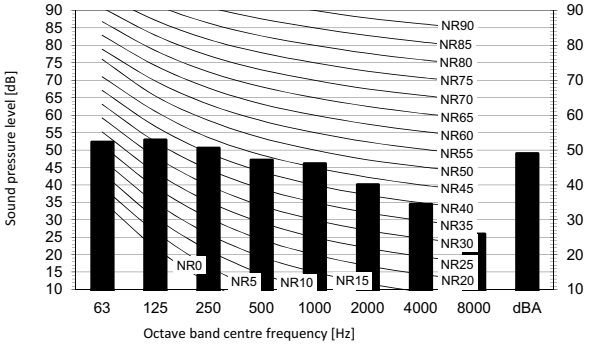
3D110125

RXM60M9

C ooling mode



Heating mode



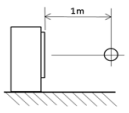
Legend

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

A Scale

B Fan speed: High

Location of microphone



C ooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Notes

1 Background noise already taken into account.

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

3 Operating noise varies depending on operation and ambient conditions.

4 The operation noise measuring method is in accordance with JISC 9612.

5 Measuring location: anechoic chamber

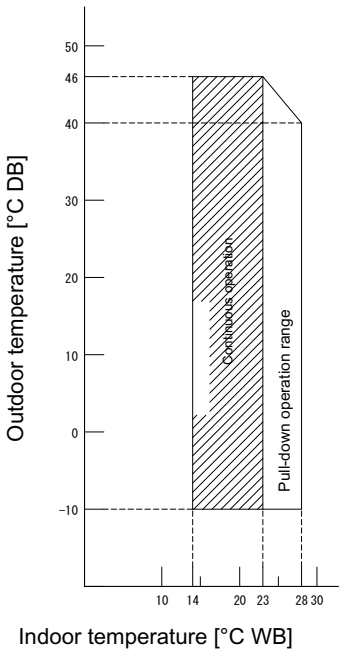
3D110126

10 Operation range

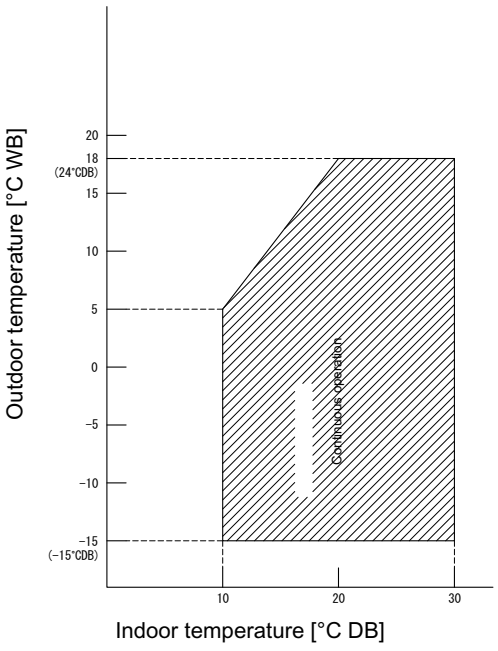
10 - 1 Operation Range

RXM20-35M9

Cooling



Heating



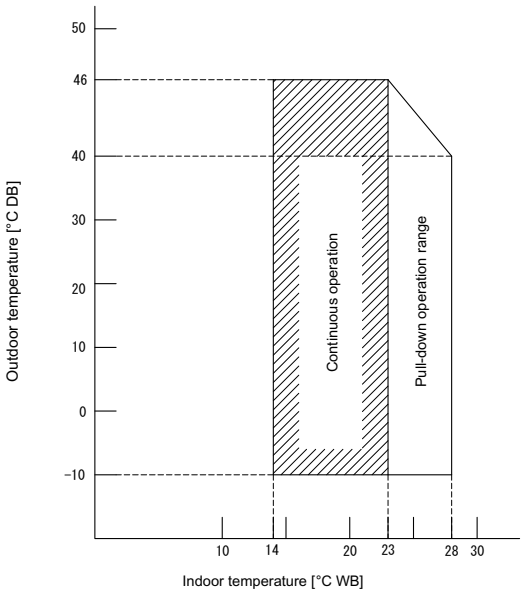
Notes

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

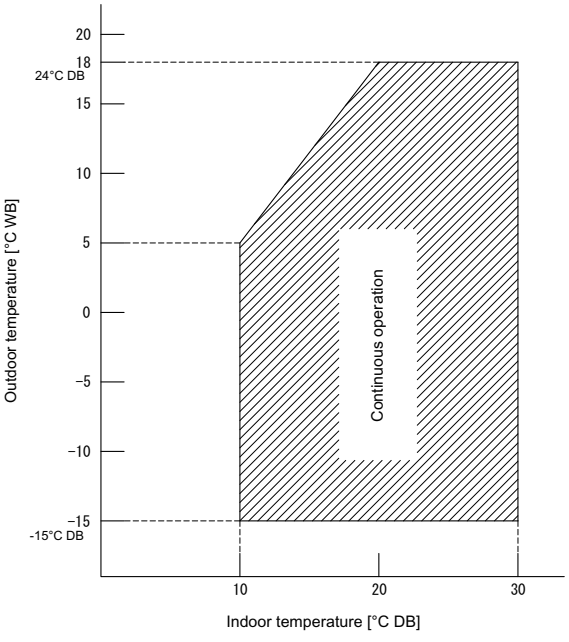
3D092127E

RXM42-60M9

Cooling



Heating



Notes

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

3D100846D

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