

Air Conditioning
Technical Data

RXM-N9



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RXM-N9

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1 Features

- 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				FTXM20N/ RXM20N9	FTXM25N/ RXM25N9	FTXM35N/ RXM35N9	FTXM42N/ RXM42N9	FTXM50N/ RXM50N9	FTXM60N/ RXM60N9
Indoor unit				FTXM20N2V1 B	FTXM25N2V1 B	FTXM35N2V1 B	FTXM42N2V1 B	FTXM50N2V1 B	FTXM60N2V1 B
Outdoor unit				RXM20N5V1B 9	RXM25N5V1B 9	RXM35N5V1B 9	RXM42N2V1B 9	RXM50N2V1B 9	RXM60N2V1B 9
Cooling capacity	Min.		kW	1.30		1.40	1.70		
			Btu/h	4,400		4,800	5,800		
			kcal/h	1,118		1,204	1,462		
	Nom.		kW	2.00	2.50	3.40	4.20	5.00	6.00
			Btu/h	6,800	8,500	11,600	14,300	17,100	20,500
			kcal/h	1,720	2,150	2,923	3,611	4,299	5,159
	Max.		kW	2.60	3.20	4.00	5.00	6.00	7.00
			Btu/h	8,900	10,900	13,600	17,100	20,500	23,900
			kcal/h	2,236	2,752	3,439	4,299	5,159	6,019
Heating capacity	Min.		kW	1.30		1.40	1.70		
			Btu/h	4,400		4,800	5,800		
			kcal/h	1,100		1,200	1,462		
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	7.00
			Btu/h	8,500	9,600	13,600	18,400	19,800	23,900
			kcal/h	2,150	2,408	3,439	4,643	4,987	6,019
	Max.		kW	3.50	4.70	5.20	6.00	7.70	8.00
			Btu/h	11,900	16,000	17,700	20,500	26,300	27,300
			kcal/h	3,009	4,041	4,471	5,159	6,621	6,879
Power input	Cooling	Nom.	kW	0.44	0.56	0.80	0.97	1.36	1.77
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45	1.94
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	6.00
	Energy efficiency class			A+++			A++		
	SEER			8.65			7.85	7.41	6.90
	Annual energy consumption			kWh/a	81	101	138	187	236
	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00	6.00
		EERd		4.57	4.50	4.23	4.33	3.68	3.39
		Power input	kW	0.44	0.56	0.80	0.97	1.36	1.77
	B Condition (30°C - 27/19)	Pdc	kW	1.47	1.84	2.51	3.09	3.68	4.42
		EERd		6.88	6.60	6.25	6.21	5.55	4.82
		Power input	kW	0.21	0.28	0.40	0.50	0.66	0.92
	C Condition (25°C - 27/19)	Pdc	kW	1.18		1.61	1.99	2.37	2.84
		EERd		10.52	10.03	10.19	9.22	8.29	7.99
		Power input	kW	0.11	0.12	0.16	0.22	0.29	0.36
	D Condition (20°C - 27/19)	Pdc	kW	1.05		1.07	1.82	1.83	
		EERd		16.53	16.37	16.36	12.72	14.55	13.49
		Power input	kW	0.06		0.07	0.14	0.13	0.14

2 Specifications

2-1 Capacity and Power input					FTXM20N/ RXM20N9	FTXM25N/ RXM25N9	FTXM35N/ RXM35N9	FTXM42N/ RXM42N9	FTXM50N/ RXM50N9	FTXM60N/ RXM60N9	
Space heating (Average climate)	Capacity	Pdesign	kW		2.30	2.40	2.50	4.00	4.60	4.80	
	Energy efficiency class				A+++			A++		A+	
	SCOP/A				5.10			4.71		4.30	
	SCOPnet/A				5.14			4.75		4.34	
	Pdh Heating capacity at -10°		kW		2.24	2.30	2.35	3.67	4.09	4.11	
	Annual energy consumption		kWh/a		632	659	687	1,189	1,369	1,562	
	Required back up heating cap at design conditions		kW		0.06	0.10	0.15	0.33	0.51	0.69	
	TOL	Tol (temperature operating limit)	°C		-20						
			Pdh (declared heating cap)	kW	2.14			2.67	3.12		
		COPd (declared COP)			2.29		2.49	1.99	2.04	2.05	
		Power input	kW		0.93		0.86	1.34	1.53	1.52	
	TBivalent	Tbiv (bivalent temperature)	°C		-7						
			Pdh (declared heating cap)	kW	2.03	2.12	2.21	3.54	4.07	4.25	
		COPd (declared COP)			3.64	3.60	3.50	2.72	2.90	2.68	
		Power input	kW		0.56	0.59	0.63	1.30	1.40	1.59	
	A Condition (-7°C)	Pdh (declared heating cap)	kW		2.03	2.12	2.21	3.54	4.07	4.25	
		COPd (declared COP)			3.64	3.60	3.50	2.72	2.90	2.68	
		Power input	kW		0.56	0.59	0.63	1.30	1.40	1.59	
	B Condition (2°C)	Pdh (declared heating cap)	kW		1.24	1.29	1.34	2.15	2.48	2.58	
		COPd (declared COP)			5.10	5.13		4.80	4.67	4.31	
		Power input	kW		0.24	0.25	0.26	0.45	0.53	0.60	
	C Condition (7°C)	Pdh (declared heating cap)	kW		0.93	0.94	0.95	1.38	1.61	1.66	
		COPd (declared COP)			6.28	6.22		6.30	6.47	5.64	
		Power input	kW		0.15			0.22	0.25	0.29	
	D Condition (12°C)	Pdh (declared heating cap)	kW		0.97	0.98	1.09	1.54	1.80	1.95	
		COPd (declared COP)			7.99	7.81		7.64	7.18	6.82	
		Power input	kW		0.12			0.14	0.20	0.25	0.29
Current	Nominal running current (RLA) - 50Hz	Cooling	A		2.10	2.60	4.40	5.20	6.22	8.01	
		Heating	A		2.20	2.50	4.80	5.95	6.56	8.50	
Cooling	Cdc (Degradation cooling)				0.25						
Heating	Cdh (Degradation heating)				0.25						
Cooling function included					Yes						
Heating function included					Yes						
Average climate included					Yes						
Cold season included					No						
Warm season included					Yes						
Ecolabel logo					No						
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	58	61	62		63	
	Sound power level indoor	Cooling	Nom.	dBA	57			60	58	60	
	Piping length	Cooling	Measuring condition	m	5.00						
Nominal efficiency	EER				4.57	4.50	4.23	4.33	3.68	3.39	
	COP				5.00			4.04	4.12	4.00	3.61
	Annual energy consumption		kWh		219	278	402	485	679	885	
	Energy labeling Directive	Cooling			A						
		Heating			A						

2 Specifications

2-1 Capacity and Power input					FTXM20N/ RXM20N9	FTXM25N/ RXM25N9	FTXM35N/ RXM35N9	FTXM42N/ RXM42N9	FTXM50N/ RXM50N9	FTXM60N/ RXM60N9
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	W	6			12		
			Heating	W	7			13		
	Crankcase heater mode	PCK		W	0					
	Off mode	POFF		W	1					
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
Power factor	Nominal	Cooling		%	91.10	93.90	79.90	93.70	95.00	96.10
		Heating		%	97.60	98.20	90.00	95.70	96.10	99.20
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.24	1.29	1.35	2.15	2.48	2.58
	Energy efficiency class				A+++					
	SCOP				6.19	6.15	6.18	6.15	6.02	5.51
	SCOPnet				6.31	6.26	6.30	6.27	6.13	5.59
	Annual energy consumption			kWh/a	280	294	305	490	576	656
	Required back up heating cap at design conditions			kW	0.00					
	TOL	Tol (temperature operating limit)		°C	-20					
		Pdh (declared heating cap)		kW	2.14		2.59	2.67	3.12	
		COPd (declared COP)		2.29		2.49	1.99	2.04	2.05	
		Power input		kW	0.93		1.04	1.34	1.53	1.52
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	1.24	1.29	1.34	3.54	2.48	2.58
		COPd (declared COP)		5.10	5.13		2.72	4.67	4.31	
		Power input		kW	0.24	0.25	0.26	1.30	0.53	0.60
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.29	1.34	2.15	2.48	2.58
		COPd (declared COP)		5.10	5.13		4.80	4.67	4.31	
		Power input		kW	0.24	0.25	0.26	0.45	0.53	0.60
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.93	0.94	0.95	1.38	1.61	1.66
		COPd (declared COP)		6.28	6.22		6.30	6.47	5.64	
		Power input		kW	0.15			0.22	0.25	0.29
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.97	0.98	1.09	1.54	1.80	1.95
		COPd (declared COP)		7.99	7.81		7.64	7.18	6.82	
		Power input		kW	0.12		0.14	0.20	0.25	0.29

Notes

See separate drawing for operation range

See separate drawing for electrical data

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

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

2-2 Capacity and Power input				FDXM25F9/RXM25N9	FDXM35F9/RXM35N9	FDXM50F9/RXM50N9	FDXM60F9/RXM60N9
Indoor unit				FDXM25F3V1B9	FDXM35F3V1B9	FDXM50F3V1B9	FDXM60F3V1B9
Outdoor unit				RXM25N5V1B9	RXM35N5V1B9	RXM50N2V1B9	RXM60N2V1B9

2 Specifications

2-2 Capacity and Power input				FDXM25F9/RXM25N9	FDXM35F9/RXM35N9	FDXM50F9/RXM50N9	FDXM60F9/RXM60N9
Cooling capacity	Min.	kW		1.30	1.40	1.70	
		Btu/h		4,435	4,800	5,800	
		kcal/h		1,117	1,204	1,462	
	Nom.	kW		2.40	3.40	5.00	6.00
		Btu/h		8,189	11,600	17,100	20,500
		kcal/h		2,064	2,923	4,299	5,159
	Max.	kW		3.00	3.80	5.30	6.50
		Btu/h		10,236	13,000	18,100	22,200
		kcal/h		2,579	3,267	4,557	5,589
Heating capacity	Min.	kW		1.30	1.40	1.70	
		Btu/h		4,435	4,800	5,800	
		kcal/h		1,117	1,200	1,500	
	Nom.	kW		3.20	4.00	5.80	7.00
		Btu/h		10,919	13,600	19,800	23,900
		kcal/h		2,752	3,439	4,987	6,019
	Max.	kW		4.50	5.00	6.00	7.10
		Btu/h		15,354	17,100	20,500	24,200
		kcal/h		3,869	4,299	5,159	6,105
Power input	Cooling	Nom.	kW	0.64	1.14	1.63	2.05
	Heating	Nom.	kW	0.80	1.15	1.87	2.18
Space cooling	Energy efficiency class			A+	A	A+	A
	Capacity	Pdesign	kW	2.40	3.40	5.00	6.00
	SEER			5.68	5.26	5.77	5.56
	Annual energy consumption		kWh/a	148	226	303	378
	A Condition (35°C - 27/19)	Pdc	kW	2.40	3.40	5.00	6.00
		EERd		3.77	2.98	3.06	2.93
		Power input	kW	0.64	1.14	1.63	2.05
	B Condition (30°C - 27/19)	Pdc	kW	1.76	2.50	3.67	4.43
		EERd		5.38	4.08	4.96	4.64
		Power input	kW	0.33	0.61	0.74	0.95
	C Condition (25°C - 27/19)	Pdc	kW	1.27	1.61	2.37	2.85
		EERd		8.92	8.05	8.21	6.96
		Power input	kW	0.14	0.20	0.29	0.41
	D Condition (20°C - 27/19)	Pdc	kW	1.31	1.46	2.26	
		EERd		10.90	9.65	9.47	10.44
		Power input	kW	0.12	0.15	0.24	0.22

2 Specifications

2-2 Capacity and Power input					FDXM25F9/RXM25N9	FDXM35F9/RXM35N9	FDXM50F9/RXM50N9	FDXM60F9/RXM60N9
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity	Pdesign	kW		2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	SCOPnet/A				4.27	3.91	3.95	3.83
	Pdh Heating capacity at -10°		kW		2.16	2.41	3.56	3.94
	Annual energy consumption		kWh/a		858	1,046	1,424	1,693
	Required back up heating cap at design conditions		kW		0.44	0.49	0.44	0.66
	TOL	Tol (temperature operating limit)	°C		-15			
			Pdh (declared heating cap)	kW	1.93	2.15	3.59	3.72
			COPd (declared COP)		2.20	2.01	1.89	1.91
			Power input	kW	0.88	1.07	1.90	1.95
	TBivalent	Tbiv (bivalent temperature)	°C		-7			
			Pdh (declared heating cap)	kW	2.30	2.57	3.54	4.07
			COPd (declared COP)		2.81	2.60	2.87	2.58
			Power input	kW	0.82	0.99	1.23	1.58
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.30	2.57	3.54	4.07	
		COPd (declared COP)		2.81	2.60	2.87	2.58	
		Power input	kW	0.82	0.99	1.23	1.58	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.40	1.57	2.13	2.48	
		COPd (declared COP)		4.21	3.84	4.10	3.92	
		Power input	kW	0.33	0.41	0.52	0.63	
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.00	1.02	1.62		
		COPd (declared COP)		5.54	4.94	4.56	4.52	
		Power input	kW	0.18	0.21	0.36		
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.17	1.19	1.92		
		COPd (declared COP)		6.84	6.08	5.49	5.46	
		Power input	kW	0.17	0.20	0.35		
Cooling	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Ecolabel logo					No	-		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62	63
	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	570	817	1,024
	Energy labeling Directive	Cooling			A	C	B	C
		Heating			A	B	D	C

2 Specifications

2-2 Capacity and Power input					FDXM25F9/RXM25N9	FDXM35F9/RXM35N9	FDXM50F9/RXM50N9	FDXM60F9/RXM60N9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0	0.014	0.015	
		Heating	POFF	kW	14.0	0.014	0.015	
	Standby mode	Cooling	PSB	kW	14.0	0.014	0.015	
		Heating	PSB	kW	14.0	0.014	0.015	
	Thermostat-off mode	Cooling	PTO	kW	7.0	0.007	0.009	
		Heating	PTO	kW	7.0	0.007	0.009	
Space heating (Warm climate)	Energy efficiency class				A+++	A++	A+	
	Capacity	Pdesignh		kW	1.40	1.57	2.13	2.48
	SCOP				5.38	4.88	4.40	4.47
	SCOPnet				5.46	4.95	4.45	4.51
	Annual energy consumption			kWh/a	365	450	679	777
	Required back up heating cap at design conditions			kW	0.00			
	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.01	1.89	1.91
		Power input		kW	0.88	1.07	1.90	1.95
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02	1.62	
		COPd (declared COP)			5.54	4.94	4.56	4.52
		Power input		kW	0.18	0.21	0.36	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19	1.92	
		COPd (declared COP)			6.84	6.08	5.49	5.46
		Power input		kW	0.17	0.20	0.35	

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.

2-3 Capacity and Power input				FVXM25F/RXM25N9	FVXM35F/RXM35N9	FVXM50F/RXM50N9
Indoor unit				FVXM25FV1B	FVXM35FV1B	FVXM50FV1B
Outdoor unit				RXM25N5V1B9	RXM35N5V1B9	RXM50N2V1B9
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

2 Specifications

2-3 Capacity and Power input				FVXM25F/RXM25N9	FVXM35F/RXM35N9	FVXM50F/RXM50N9
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

2-3 Capacity and Power input					FVXM25F/RXM25N9	FVXM35F/RXM35N9	FVXM50F/RXM50N9
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		
			kW		2.09	2.12	3.96
					2.24	1.94	1.82
			kW		0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)	°C		-7		
			kW		2.12	2.57	3.72
					3.25	2.40	2.20
			kW		0.65	1.07	1.69
	A Condition (-7°C)	Pdh (declared heating cap)	kW		2.12	2.57	3.72
					3.25	2.40	2.20
			kW		0.65	1.07	1.69
	B Condition (2°C)	Pdh (declared heating cap)	kW		1.29	1.56	2.27
					4.39	4.03	4.32
			kW		0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)	kW		0.83	1.03	1.80
					5.79	5.11	5.13
			kW		0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap)	kW		0.78	1.08	1.91
					7.27	7.24	6.25
			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		

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2-3 Capacity and Power input				FVXM25F/RXM25N9	FVXM35F/RXM35N9	FVXM50F/RXM50N9
Power consumption in other than active mode	Thermostat-off mode	PTO	Cooling	8.0		
			Heating	8.0		
	Off mode	POFF	W	2.0		
	Standby mode	Cooling	PSB	2.0		
		Heating	PSB	2.0		
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)	2.09	2.12	3.96
			COPd (declared COP)	2.24	1.94	1.82
			Power input	0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)	°C	2		
			Pdh (declared heating cap)	1.29	1.56	2.27
			COPd (declared COP)	4.39	4.03	4.32
			Power input	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	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	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	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.

2-4 Capacity and Power input				FCAG35B/RXM35N9	FCAG50B/RXM50N9	FCAG60B/RXM60N9
Indoor unit				FCAG35BVEB	FCAG50BVEB	FCAG60BVEB
Outdoor unit				RXM35N5V1B9	RXM50N2V1B9	RXM60N2V1B9
Cooling capacity	Nom.		kW	3.50	5.00	5.70
			Btu/h	11,900	17,100	19,400
			kcal/h	3,009	4,299	4,901
Heating capacity	Nom.		kW	4.20	6.00	7.00
			Btu/h	14,300	20,500	23,900
			kcal/h	3,611	5,159	6,019
Power input	Cooling	Nom.	kW	0.94	1.40	1.72
	Heating	Nom.	kW	1.11	1.62	2.07

2 Specifications

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2-4 Capacity and Power input				FCAG35B/RXM35N9	FCAG50B/RXM50N9	FCAG60B/RXM60N9
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++		
	Capacity	Pdesign	kW	3.32	4.36	4.71
	SCOP/A			4.90	4.30	4.20
	SCOPnet/A			4.96	4.33	4.22
	Pdh Heating capacity at -10°		kW	2.60	3.87	4.12
	Annual energy consumption		kWh/a	948	1,419	1,569
	Required back up heating cap at design conditions		kW	0.72	0.49	0.59
	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
	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

2-4 Capacity and Power input					FCAG35B/RXM35N9	FCAG50B/RXM50N9	FCAG60B/RXM60N9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	49		51
	Piping length	Cooling	Measuring condition	m	5.00		
Nominal efficiency	EER				3.72	3.58	3.31
	COP				3.77	3.70	3.38
	Annual energy consumption			kWh	470	698	861
	Energy labeling Directive	Cooling			A		
		Heating			A		C
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.014	0.007	
		Heating	POFF	kW	0.014	0.007	
	Standby mode	Cooling	PSB	kW	0.014	0.007	
		Heating	PSB	kW	0.014	0.007	
	Thermostat-off mode	Cooling	PTO	kW	0.007		
		Heating	PTO	kW	0.007		
Space heating (Warm climate)	Energy efficiency class				A+++		
	Capacity	Pdesignh		kW	1.79	2.34	2.53
	SCOP				6.27	5.26	5.36
	SCOPnet				6.36	5.31	5.41
	Annual energy consumption			kWh/a	400	623	661
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pd _h (declared heating cap)		kW	2.04	3.89	4.04
		COP _d (declared COP)			2.50	2.04	2.08
		Power input		kW	0.82	1.91	1.94
	TBivalent	T _{biv} (bivalent temperature)		°C	2		
		Pd _h (declared heating cap)		kW	1.79	2.34	2.53
		COP _d (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	B Condition (2°C)	Pd _h (declared heating cap)		kW	1.79	2.34	2.53
		COP _d (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	C Condition (7°C)	Pd _h (declared heating cap)		kW	1.15	1.54	1.64
		COP _d (declared COP)			6.20	5.31	5.28
		Power input		kW	0.19	0.29	0.31
	D Condition (12°C)	Pd _h (declared heating cap)		kW	1.24	1.79	1.46
		COP _d (declared COP)			7.88	6.47	6.51
		Power input		kW	0.16	0.28	0.22

Notes

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

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

See separate drawing for operation range

See separate drawing for electrical data

2 Specifications

2-5 Capacity and Power input				FFA25A9/RXM25N9	FFA35A9/RXM35N9	FFA50A9/RXM50N9	FFA60A9/RXM60N9
Indoor unit				FFA25A2VEB9	FFA35A2VEB9	FFA50A2VEB9	FFA60A2VEB9
Outdoor unit				RXM25N5V1B9	RXM35N5V1B9	RXM50N2V1B9	RXM60N2V1B9
Cooling capacity	Nom.		kW	2.50	3.40	5.00	5.70
			Btu/h	8,530	11,600	17,100	19,400
			kcal/h	2,150	2,923	4,299	4,901
Heating capacity	Nom.		kW	3.20	4.20	5.80	7.00
			Btu/h	10,919	14,300	19,800	23,900
			kcal/h	2,752	3,611	4,987	6,019
Power input	Cooling	Nom.	kW	0.55	0.89	1.54	1.87
	Heating	Nom.	kW	0.82	1.20	1.66	2.05
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
	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	0.23

2 Specifications

2-5 Capacity and Power input					FFA25A9/RXM25N9	FFA35A9/RXM35N9	FFA50A9/RXM50N9	FFA60A9/RXM60N9		
Space heating (Average climate)	Energy efficiency class				A+		A	A+		
	Capacity	Pdesign	kW		2.31	3.10	3.84	3.96		
	SCOP/A				4.24	4.10	3.90	4.04		
	SCOPnet/A				4.27	4.19	3.92	4.06		
	Pdh Heating capacity at -10°		kW		2.03	2.04	3.50	3.66		
	Annual energy consumption		kWh/a		762	1,058	1,377	1,372		
	Required back up heating cap at design conditions		kW		0.28	1.06	0.34	0.30		
	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		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		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		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		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		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		0.18	0.29	0.30		
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					
Ecolabel logo					No	-				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62	63		
	Sound power level indoor	Cooling	Nom.	dBA	48	51	56	60		
	Piping length	Cooling	Measuring condition	m	5.0					
Nominal efficiency	EER				4.57	3.81	3.24	3.05		
	COP				3.90	3.50	3.49	3.41		
	Annual energy consumption		kWh		273	446	772	934		
	Energy labeling Directive	Cooling			A			B		
		Heating			A	B				

2 Specifications

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2-5 Capacity and Power input					FFA25A9/RXM25N9	FFA35A9/RXM35N9	FFA50A9/RXM50N9	FFA60A9/RXM60N9	
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0	0.014	0.015		
		Heating	POFF	kW	14.0	0.014	0.015		
	Standby mode	Cooling	PSB	kW	14.0	0.014	0.015		
		Heating	PSB	kW	14.0	0.014	0.015		
	Thermostat-off mode	Cooling	PTO	kW	7.0	0.007			
		Heating	PTO	kW	7.0	0.007			
Space heating (Warm climate)	Energy efficiency class				A+++		A++		
	Capacity	Pdesignh		kW	1.24		2.09	2.14	
	SCOP				5.29	5.10	4.78	4.74	
	SCOPnet				5.37	5.18	4.83	4.79	
	Annual energy consumption			kWh/a	329	341	612	632	
	Required back up heating cap at design conditions			kW	0.00				
	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		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

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.

2-6 Capacity and Power input				FBA35A9/RXM35N9	FBA50A9/RXM50N9	FBA60A9/RXM60N9
Indoor unit				FBA35A2VEB9	FBA50A2VEB9	FBA60A2VEB9
Outdoor unit				RXM35N5V1B9	RXM50N2V1B9	RXM60N2V1B9
Cooling capacity	Nom.		kW	3.40	5.00	5.70
			Btu/h	11,600	17,100	19,400
			kcal/h	2,923	4,299	4,901
Heating capacity	Nom.		kW	4.00	5.50	7.00
			Btu/h	13,600	18,800	23,900
			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

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2-6 Capacity and Power input				FBA35A9/RXM35N9	FBA50A9/RXM50N9	FBA60A9/RXM60N9	
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	5.26	5.05	
		Power input	kW	0.45	0.69	0.83	
	C Condition (25°C - 27/19)	Pdc	kW	1.73	2.36	2.70	
		EERd		8.13	8.41	7.97	
		Power input	kW	0.21	0.28	0.34	
	D Condition (20°C - 27/19)	Pdc	kW	1.61	1.98	2.13	
EERd		9.06	10.52	8.54			
Power input		kW	0.18	0.19	0.25		
Space heating (Average climate)	Energy efficiency class			A+			
	Capacity	Pdesign	kW	2.90	4.40	4.60	
	SCOP/A			4.07	4.06	4.01	
	SCOPnet/A			4.11	4.08	4.03	
	Pdh Heating capacity at -10°		kW	2.41	3.73	3.99	
	Annual energy consumption		kWh/a	996	1,517	1,607	
	Required back up heating cap at design conditions		kW	0.49	0.67	0.61	
	TOL	Tol (temperature operating limit)	°C	-15			
			kW	2.15	3.47	3.85	
			COPd (declared COP)		2.37	1.95	2.11
			Power input	kW	0.91	1.78	1.82
	TBivalent	Tbiv (bivalent temperature)	°C	-7			
			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
	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

2-6 Capacity and Power input					FBA35A9/RXM35N9	FBA50A9/RXM50N9	FBA60A9/RXM60N9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	60		56
	Piping length	Cooling	Measuring condition	m	5.00		
Nominal efficiency	EER				4.02	3.55	3.48
	COP				4.02	3.83	3.71
	Annual energy consumption			kWh	423	704	819
	Energy labeling Directive	Cooling			A		
		Heating			A		
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.007	0.013	
		Heating	POFF	kW	0.007	0.013	
	Standby mode	Cooling	PSB	kW	0.007	0.013	
		Heating	PSB	kW	0.007	0.013	
	Thermostat-off mode	Cooling	PTO	kW	0.007	0.002	
		Heating	PTO	kW	0.007	0.002	
Space heating (Warm climate)	Energy efficiency class				A+++	A+	
	Capacity	Pdesignh		kW	1.57	2.37	2.44
	SCOP				5.12	4.47	4.43
	SCOPnet				5.19	4.49	4.44
	Annual energy consumption			kWh/a	429	741	770
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.15	3.47	3.85
		COPd (declared COP)			2.37	1.95	2.11
		Power input		kW	0.91	1.78	1.82
	TBivalent	Tbiv (bivalent temperature)		°C	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

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

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

See separate drawing for operation range

See separate drawing for electrical data

2 Specifications

2-7 Capacity and Power input				FHA35A9/RXM35N9	FHA50A9/RXM50N9	FHA60A9/RXM60N9
Indoor unit				FHA35AVEB9	-	
Outdoor unit				RXM35N5V1B9	RXM50N2V1B9	RXM60N2V1B9
Cooling capacity	Nom.		kW	3.40	5.00	5.70
			Btu/h	11,600	17,100	19,400
			kcal/h	2,923	4,299	4,901
Heating capacity	Nom.		kW	4.00	6.00	7.20
			Btu/h	13,600	20,500	24,600
			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
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
	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

2 Specifications

2

2-7 Capacity and Power input					FHA35A9/RXM35N9	FHA50A9/RXM50N9	FHA60A9/RXM60N9	
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity	Pdesign	kW		3.10	4.35	4.71	
	SCOP/A				4.43	3.86	3.87	
	SCOPnet/A				4.47	3.88	3.89	
	Pdh Heating capacity at -10°		kW		2.64	3.85	4.08	
	Annual energy consumption		kWh/a		979	1,578	1,704	
	Required back up heating cap at design conditions		kW		0.46	0.50	0.63	
	TOL	Tol (temperature operating limit)	°C	-15				
				Pdh (declared heating cap)	kW	2.47	3.86	3.92
				COPd (declared COP)		2.23	1.97	
				Power input	kW	1.11	1.96	1.99
	TBivalent	Tbiv (bivalent temperature)	°C	-7				
				Pdh (declared heating cap)	kW	2.74	3.85	4.12
				COPd (declared COP)		2.94	2.61	2.64
				Power input	kW	0.93	1.48	1.56
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.74	3.85	4.12		
		COPd (declared COP)		2.94	2.61	2.64		
		Power input	kW	0.93	1.48	1.56		
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.67	2.33	2.54		
		COPd (declared COP)		4.32	3.95	3.96		
		Power input	kW	0.39	0.59	0.64		
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.14	1.54	1.63		
		COPd (declared COP)		5.83	4.62	4.60		
		Power input	kW	0.20	0.33	0.35		
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.34	1.80	1.74		
		COPd (declared COP)		7.24	5.65			
		Power input	kW	0.19	0.32	0.31		
	Cooling	Cdc (Degradation cooling)				0.25		
	Heating	Cdh (Degradation heating)				0.25		
	Cooling function included					Yes		
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	61	62	63	
	Sound power level indoor	Cooling	Nom.	dBa	53	54		
	Piping length	Cooling	Measuring condition	m	5.00			
Nominal efficiency	EER				3.73	3.21	3.29	
	COP				4.08	3.35	3.32	
	Annual energy consumption		kWh		456	779	866	
	Energy labeling Directive	Cooling			A			
		Heating			A	C		

2 Specifications

2-7 Capacity and Power input					FHA35A9/RXM35N9	FHA50A9/RXM50N9	FHA60A9/RXM60N9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.014	0.015	
		Heating	POFF	kW	0.014	0.015	
	Standby mode	Cooling	PSB	kW	0.014	0.015	
		Heating	PSB	kW	0.014	0.015	
	Thermostat-off mode	Cooling	PTO	kW	0.010		
		Heating	PTO	kW	0.010		
Space heating (Warm climate)	Energy efficiency class				A+++	A+	A++
	Capacity	Pdesignh		kW	1.67	2.33	2.54
	SCOP				5.72	4.59	4.61
	SCOPnet				5.83	4.64	4.67
	Annual energy consumption			kWh/a	409	711	771
	Required back up heating cap at design conditions			kW	0.00		
	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

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

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

See separate drawing for operation range

See separate drawing for electrical data

2-8 Capacity and Power input					FNA25A9/RXM25N9	FNA35A9/RXM35N9	FNA50A9/RXM50N9	FNA60A9/RXM60N9
Indoor unit					FNA25A2VEB9	FNA35A2VEB9	FNA50A2VEB9	FNA60A2VEB9
Outdoor unit					RXM25N5V1B9	RXM35N5V1B9	RXM50N2V1B9	RXM60N2V1B9
Cooling capacity	Nom.		kW		2.60	3.40	5.00	6.00
			Btu/h		8,872	11,600	17,100	20,500
			kcal/h		2,236	2,923	4,299	5,159
Heating capacity	Nom.		kW		3.20	4.00	5.80	7.00
			Btu/h		10,919	13,600	19,800	23,900
			kcal/h		2,752	3,439	4,987	6,019
Power input	Cooling	Nom.	kW		0.68	1.10	1.48	2.22
	Heating	Nom.	kW		0.80	1.15	1.74	2.25

2 Specifications

2-8 Capacity and Power input				FNA25A9/RXM25N9	FNA35A9/RXM35N9	FNA50A9/RXM50N9	FNA60A9/RXM60N9		
Space cooling	Energy efficiency class			A+			A		
	Capacity	Pdesign	kW	2.60	3.40	5.00	6.00		
	SEER			5.68	5.70	5.77	5.56		
	Annual energy consumption		kWh/a	160	209	303	378		
	A Condition (35°C - 27/19)	Pdc	kW	2.60	3.40	5.00	6.00		
		EERd		3.80	3.09	3.38	2.70		
		Power input	kW	0.68	1.10	1.48	2.22		
	B Condition (30°C - 27/19)	Pdc	kW	1.92	2.50	3.68	4.42		
		EERd		5.17	4.41	5.02	4.64		
		Power input	kW	0.37	0.57	0.73	0.95		
	C Condition (25°C - 27/19)	Pdc	kW	1.27	1.61	2.37	2.84		
		EERd		8.97	9.38	7.23	7.20		
		Power input	kW	0.14	0.17	0.33	0.39		
	D Condition (20°C - 27/19)	Pdc	kW	1.33	1.46	1.74	2.34		
		EERd		10.18	10.14	10.72	10.44		
		Power input	kW	0.13	0.14	0.16	0.22		
Space heating (Average climate)	Energy efficiency class			A+					
	Capacity	Pdesign	kW	2.80	2.90	4.00	4.60		
	SCOP/A			4.24	4.05	4.09	4.16		
	SCOPnet/A			4.28	4.08	4.12	4.19		
	Pd _h Heating capacity at -10°		kW	2.16	2.41	3.56	3.94		
	Annual energy consumption		kWh/a	924	1,002	1,369	1,547		
	Required back up heating cap at design conditions		kW	0.64	0.49	0.44	0.66		
	TOL	Tol (temperature operating limit)	°C	-15					
			kW	1.93	2.15	3.59	3.72		
			COP _d (declared COP)			2.20	2.21	1.88	1.78
			Power input	kW	0.88	0.97	1.91	2.09	
	TBivalent	T _{biv} (bivalent temperature)	°C	-7					
			kW	2.48	2.57	3.54	4.07		
			COP _d (declared COP)			2.80	2.71	2.90	2.82
			Power input	kW	0.89	0.95	1.22	1.44	
	A Condition (-7°C)	Pd _h (declared heating cap)	kW	2.48	2.57	3.54	4.07		
			COP _d (declared COP)			2.80	2.71	2.90	2.82
			Power input	kW	0.89	0.95	1.22	1.44	
	B Condition (2°C)	Pd _h (declared heating cap)	kW	1.51	1.57	2.15	2.48		
			COP _d (declared COP)			4.18	4.01	4.13	4.22
			Power input	kW	0.36	0.39	0.52	0.59	
	C Condition (7°C)	Pd _h (declared heating cap)	kW	1.00	1.02	1.66	1.59		
			COP _d (declared COP)			5.51	5.16	5.08	
			Power input	kW	0.18	0.20	0.33	0.31	
	D Condition (12°C)	Pd _h (declared heating cap)	kW	1.17	1.19	1.96	1.95		
			COP _d (declared COP)			6.80	6.35	6.16	6.19
			Power input	kW	0.17	0.19	0.32		
	Cooling	C _{dc} (Degradation cooling)			0.25				
	Heating	C _{dh} (Degradation heating)			0.25				
	Cooling function included				Yes				
	Heating function included				Yes				
	Average climate included				Yes				
	Cold season included				No				
	Warm season included				Yes				
	Ecolabel logo				No	-			

2 Specifications

2-8 Capacity and Power input					FNA25A9/RXM25N9	FNA35A9/RXM35N9	FNA50A9/RXM50N9	FNA60A9/RXM60N9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	53		56	
	Piping length	Cooling	Measuring condition	m	5.0			
Nominal efficiency	EER				3.80	3.09	3.38	2.70
	COP				4.00	3.48	3.34	3.11
	Annual energy consumption			kWh	342	550	740	1,111
	Energy labeling Directive	Cooling			A	B	A	D
Heating			A	B	C	D		
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	14.0	0.014	0.015	
		Heating	POFF	kW	14.0	0.014	0.015	
	Standby mode	Cooling	PSB	kW	14.0	0.014	0.015	
		Heating	PSB	kW	14.0	0.014	0.015	
	Thermostat-off mode	Cooling	PTO	kW	7.0	0.007	0.009	
		Heating	PTO	kW	7.0	0.007	0.009	
Space heating (Warm climate)	Energy efficiency class				A+++		A++	
	Capacity	Pdesignh		kW	1.51	1.57	2.15	2.48
	SCOP				5.43	5.10	4.87	5.02
	SCOPnet				5.50	5.17	4.93	5.08
	Annual energy consumption			kWh/a	389	431	618	691
	Required back up heating cap at design conditions			kW	0.00			
	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.21	1.88	1.78
		Power input		kW	0.88	0.97	1.91	2.09
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.51	1.57	2.15	2.48
		COPd (declared COP)			4.18	4.01	4.13	4.22
		Power input		kW	0.36	0.39	0.52	0.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.51	1.57	2.15	2.48
		COPd (declared COP)			4.18	4.01	4.13	4.22
		Power input		kW	0.36	0.39	0.52	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02	1.66	1.59
		COPd (declared COP)			5.51	5.16	5.08	
		Power input		kW	0.18	0.20	0.33	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19	1.96	1.95
		COPd (declared COP)			6.80	6.35	6.16	6.19
		Power input		kW	0.17	0.19	0.32	

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

2-9 Technical Specifications					RXM20N9	RXM25N9	RXM35N9	RXM42N9	RXM50N9	RXM60N9		
Capacity control	Method				Variable (inverter)							
Casing	Colour				Ivory white							
Dimensions	Unit	Height		mm	550			734				
		Width		mm	765			870				
		Depth		mm	285			373				
	Packed unit	Height		mm	612			820				
		Width		mm	906			1,050				
		Depth		mm	402			480				
Weight	Unit			kg	32			50				
	Packed unit			kg	34			54				
Packing	Weight			kg	-			4				
Heat exchanger	Length		mm	805			920					
	Rows	Quantity			2							
	Fin pitch		mm	1.4								
	Stages	Quantity			24			32				
	Passes	Quantity			3.1			2.2				
	Tube type				ø7 Hi-XD							
	Fin		Type		Waffle fin (PE)							
	Compressor	Model				1YC25GXD#C			2YC40JXD#C			
Oil Amount			cm³	-			650					
Type				Hermetically sealed swing compressor								
Output			W	800			1,300					
Oil Type				-			FW68DA					
Fan	Type				Propeller fan							
	Air flow rate	Cooling	Nom.	m³/min	36.0	28.3	36.0	46.6				
				cfm	1,271	999	1,271	1,645				
		Heating	Nom.	m³/min	28.3			44.1				
				cfm	999			1,557				
Fan motor	Model				DFC05A3VA			D55F-31				
	Output			W	50			55				
	Speed	Cooling	High	rpm	920	860	920	760				
			Nom.	rpm	860		920	740				
			Low	rpm	400			640				
			Heating	High	rpm	860			720			
		Heating	Nom.	rpm	800			690	720			
			Low	rpm	400			500	660			
			Sound power level	Cooling			dBa	59	58	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			
Operation range	Cooling	Ambient	Min.	°CDB	-10 (1) / -10 (2)							
			Max.	°CDB	50 (1) / 46 (2)							
	Heating	Ambient	Max.	°CDB	24 (1) / 24 (2)							
Refrigerant	Type				R-32							
	Charge			kg	0.76			1.10	1.15			
				TCO _{2eq}	0.52			0.75	0.78			
	Control				Expansion valve			-				
	GWP				675							
Piping connections	Liquid	OD		mm	6,35			6,4				
	Gas	OD		mm	9.50			12.7				
	Drain	OD		mm	18			16				
	Piping length	OU - IU	Max.	m	20			30				
		System	Chargeless	m	10			-				
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 10m)						
	Level difference	IU - OU	Max.	m	15			20				
	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;

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

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

2

2-10 Electrical Specifications			RXM20N9	RXM25N9	RXM35N9	RXM42N9	RXM50N9	RXM60N9
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

(1) Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B

(2) Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9

Contains fluorinated greenhouse gases

See separate drawing for operation range

See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical Data

RXM20-35N9

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20N5V1B9	FTXM20N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,88	10	35	2,0	0,048	0,32	0,022	0,22
		50	230					2,1				
		50	240					2,2				
RXM25N5V1B9	FTXM25N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,82	13	46	2,6	0,040	0,28	0,022	0,22
		50	230					2,7				
		50	240					2,8				
RXM25N5V1B9	FFA25A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,79	13	40	2,3	0,040	0,28	0,050	0,20
		50	230					2,5				
		50	240					2,6				
RXM25N5V1B9	FDXM25F3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,92	13	39	2,1	0,040	0,28	0,034	0,30
		50	230					2,2				
		50	240					2,3				
RXM25N5V1B9	FNA25A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,17	13	43	2,3	0,040	0,28	0,034	0,50
		50	230					2,4				
		50	240					2,5				
RXM35N5V1B9	FTXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,86	13	60	4,2	0,048	0,32	0,027	0,25
		50	230					4,4				
		50	240					4,6				
RXM35N5V1B9	FCAG35AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,92	13	63	3,6	0,048	0,32	0,048	0,30
		50	230					3,8				
		50	240					4,0				
RXM35N5V1B9	FBA35A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,29	13	56	3,3	0,048	0,32	0,089	1,40
		50	230					3,5				
		50	240					3,6				
RXM35N5V1B9	FHA35AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,29	13	64	3,8	0,048	0,32	0,090	0,60
		50	230					4,0				
		50	240					4,2				
RXM35N5V1B9	FFA35A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,79	13	64	3,6	0,048	0,32	0,050	0,20
		50	230					3,8				
		50	240					4,0				
RXM35N5V1B9	FDXM35F3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,92	13	65	3,6	0,048	0,32	0,034	0,30
		50	230					3,8				
		50	240					3,9				
RXM35N5V1B9	FNA35A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,17	13	65	3,6	0,048	0,32	0,034	0,50
		50	230					3,8				
		50	240					3,9				
ARXM25N5V1B9	ATXM25N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,82	13	46	2,6	0,040	0,28	0,022	0,22
		50	230					2,7				
		50	240					2,8				
ARXM35N5V1B9	ATXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10,86	13	60	4,2	0,048	0,32	0,027	0,25
		50	230					4,4				
		50	240					4,6				

Notes

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

Symbols

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

3D123282

3 Electrical data

3 - 1 Electrical Data

RXM42-60N9

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM42N2V1B9	FTXM42N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,62	13	49	4,4	0,056	0,37	0,028	0,22
		50	230					4,2				
		50	240					3,9				
RXM50N2V1B9	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,00	13	52	3,8	0,056	0,37	0,046	0,6
		50	230					3,5				
		50	240					3,2				
ARXM50N2V1B9	ATXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,00	13	52	3,8	0,056	0,37	0,046	0,6
		50	230					3,5				
		50	240					3,2				
RXM50N2V1B9	FCAG50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,70	13	58	5,2	0,056	0,37	0,048	0,3
		50	230					5,0				
		50	240					4,8				
RXM50N2V1B9	FBA50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,80	13	55	5,2	0,056	0,37	0,089	1,4
		50	230					5,0				
		50	240					4,8				
RXM50N2V1B9	FHA50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,00	13	64	5,5	0,056	0,37	0,090	0,6
		50	230					5,3				
		50	240					5,2				
RXM50N2V1B9	FFA50A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,80	13	62	5,6	0,056	0,37	0,050	0,4
		50	230					5,4				
		50	240					5,3				
RXM50N2V1B9	FDXM50F3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	12,30	13	55	4,9	0,056	0,37	0,060	0,9
		50	230					4,7				
		50	240					4,5				
RXM50N2V1B9	FNA50A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,90	13	55	4,9	0,056	0,37	0,060	0,5
		50	230					4,7				
		50	240					4,5				
RXM50N2V1B9	FVXM50FV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	11,50	13	60	5,4	0,056	0,37	0,048	0,1
		50	230					5,2				
		50	240					5,0				
RXM60N2V1B9	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,13	16	66	5,9	0,056	0,37	0,046	0,6
		50	230					5,7				
		50	240					5,5				
RXM60N2V1B9	FCAG60AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	71	6,5	0,056	0,37	0,048	0,3
		50	230					6,3				
		50	240					6,2				
RXM60N2V1B9	FBA60AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,83	16	66	6,1	0,056	0,37	0,070	1,3
		50	230					6,0				
		50	240					5,8				
RXM60N2V1B9	FHA60AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,13	16	62	5,5	0,056	0,37	0,091	0,6
		50	230					5,3				
		50	240					5,1				
RXM60N2V1B9	FFA60A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,13	16	70	6,5	0,056	0,37	0,050	0,6
		50	230					6,3				
		50	240					6,2				
RXM60N2V1B9	FDXM60F3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,43	16	73	6,7	0,056	0,37	0,060	0,9
		50	230					6,5				
		50	240					6,4				
RXM60N2V1B9	FNA60A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15,13	16	73	6,7	0,056	0,37	0,060	0,6
		50	230					6,5				
		50	240					6,4				

Notes

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

Symbols

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

3D120639

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA35A9 / RXM35N9

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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	18,6	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	

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

EWB : Entering wet-bulb temperature (°C WB)

EDB : Entering dry-bulb temperature (°C DB)

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

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

3D123277

FBA50A9 / RXM50N9

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

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

3D110073B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA60A9 / RXM60N9

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]																	
EWB	EDB	-15			-10			-5			0			6			10		
°C	°C	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
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	8,55	2,00	2,18	2,36	2,54	2,72	2,90
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	8,31	1,98	2,16	2,34	2,52	2,70	2,88
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	8,22	1,95	2,14	2,32	2,50	2,68	2,86
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	8,16	1,93	2,12	2,30	2,48	2,66	2,84
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	8,11	1,94	2,11	2,29	2,47	2,65	2,83
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	8,01	1,96	2,09	2,27	2,45	2,63	2,81

Symbols

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

Notes

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

3D110074B

FCAG35B / RXM35N9

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
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Indoor temperature		Outdoor temperature [°C WB]																	
EWB	EDB	-15			-10			-5			0			6			10		
°C	°C	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
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	5,11	1,26	1,44	1,62	1,80	1,98	2,16
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	4,97	1,25	1,41	1,59	1,77	1,95	2,13
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	4,91	1,26	1,40	1,58	1,76	1,94	2,12
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	4,85	1,27	1,39	1,57	1,75	1,93	2,11
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	4,83	1,28	1,38	1,56	1,74	1,92	2,10
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	4,77	1,29	1,37	1,55	1,73	1,91	2,09

Symbols

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

Notes

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

3D110075B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCAG60B / RXM50N9

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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15			-10			-5			0		
°C	°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	6,16	1,70	
25,0	2,45	1,38	3,01	1,44	3,57	1,51	4,13	1,58	5,63	1,66	6,03	1,71	
27,0	2,38	1,39	2,94	1,46	3,50	1,53	4,06	1,59	5,18	1,67	5,18	1,73	

Symbols

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

Notes

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

3D110076C

FCAG60B / RXM60N9

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

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

3D110077C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM25F9 / RXM25N9

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

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

3D123266

FDXM35F9 / RXM35N9

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
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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

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

3D123279

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM50F9 / RXM50N9

Cooling

50 Hz 220 - 240 V

AFR	15,8
BF	0,11

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

Heating

50 Hz 220 - 240 V

AFR	15,8
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	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	20	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	24	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	24	2,40	1,58	2,94	1,66	3,49	1,74	4,03	1,81	5,64	1,90	6,16	1,97
25,0	24	2,36	1,59	2,91	1,67	3,45	1,74	4,00	1,82	5,60	1,91	6,12	1,97
27,0	24	2,30	1,61	2,84	1,68	3,39	1,76	3,93	1,84	5,27	1,93	5,27	1,99

Symbols

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

Notes

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

3D110080B

FDXM60F9 / RXM60N9

Cooling

50 Hz 220 - 240 V

AFR	16,0
BF	0,12

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

Heating

50 Hz 220 - 240 V

AFR	16,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	20	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	20	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	24	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	24	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	24	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	24	2,89	1,87	3,57	1,96	4,26	2,05	4,94	2,14	6,66	2,25	7,29	2,32

Symbols

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

Notes

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

3D110081B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA25A9 / RXM25N9

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
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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

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

3D123270

FFA35A9 / RXM35N9

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
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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

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

3D123275

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA50A9 / RXM50N9

Cooling

50 Hz

220 - 240 V

AFR	12,7
BF	0,16

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

Heating

50 Hz

220 - 240 V

AFR	12,7
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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	6,19	1,75
25,0		2,36	1,41	2,91	1,48	3,45	1,55	4,00	1,62	5,55	1,70	6,11	1,75
27,0		2,30	1,43	2,84	1,50	3,39	1,56	3,93	1,63	5,10	1,71	6,01	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

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

3D110085B

FFA60A9 / RXM60N9

Cooling

50 Hz

220 - 240 V

AFR	14,5
BF	0,11

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

Heating

50 Hz

220 - 240 V

AFR	14,5
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		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

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

3D110084B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA35A9 / RXM35N9

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

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

3D123267

FHA50A9 / RXM50N9

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

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

3D110087B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA60A9/ RXM60N9

Cooling 50 Hz 220 - 240 V

AFR	19,5
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°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

Heating 50 Hz 220 - 240 V

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

Symbols

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

Notes

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

3D110088B

FNA25A9 / RXM25N9

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

Heating 50 Hz 220 - 240 V

AFR	8,7
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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	TC	PI	TC	PI		
15,0		1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81						
20,0		1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83						
22,0		1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83						
24,0		1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84						
25,0		1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84						
27,0		1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85						

Symbols

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

Notes

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

3D123272

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA35A9 / RXM35N9

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	0,75	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

Heating

50- Hz 220 - 240- V

AFR	8,7
-----	-----

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	18,6	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

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

3D123274

FNA50A9 / RXM50N9

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

Heating

50 Hz 220 - 240 V

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

Symbols

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

Notes

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

3D110091B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA60A9 / RXM60N9

Cooling 50 Hz 220 - 240 V

AFR	16,0
BF	0,12

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

Heating 50 Hz 220 - 240 V

AFR	16,0
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Indoor temperature		Outdoor temperature [°C WB]																	
EDB	°C	-15			-10			-5			0			6			10		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
15,0	20	3,39	1,81	4,08	1,90	4,76	2,00	5,44	2,09	7,24	2,20	7,87	2,27	7,00	2,25	7,63	2,32	7,63	2,32
20,0	22	3,18	1,86	3,87	1,95	4,55	2,05	5,23	2,14	7,00	2,25	7,63	2,32	6,81	2,29	7,44	2,37	7,44	2,37
22,0	25	3,10	1,88	3,78	1,97	4,47	2,07	5,15	2,16	6,90	2,27	7,54	2,35	6,81	2,29	7,44	2,37	7,44	2,37
24,0	27	3,02	1,90	3,70	1,99	4,38	2,09	5,07	2,18	6,81	2,29	7,44	2,37	6,76	2,30	7,39	2,38	7,39	2,38
25,0	29	2,97	1,91	3,66	2,00	4,34	2,10	5,03	2,19	6,76	2,30	7,39	2,38	6,66	2,32	7,29	2,40	7,29	2,40
27,0	31	2,89	1,93	3,57	2,03	4,26	2,12	4,94	2,21	6,66	2,32	7,29	2,40	6,66	2,32	7,29	2,40	7,29	2,40

Symbols

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

Notes

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

3D110092B

FTXM20N / RXM20N9

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,16

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

Heating ·220-240V 50Hz·

AFR	10,4
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2	4																	
	-15			-10			-5			0			6			10		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	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	2,50	0,50	2,73	0,52	2,66	0,53
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	2,47	0,50	2,69	0,52	2,66	0,53
22	1,09	0,34	1,33	0,36	1,57	0,37	2,13	0,48	2,47	0,51	2,70	0,53	2,43	0,51	2,66	0,53	2,66	0,53
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	2,41	0,51	2,64	0,53	2,64	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	2,38	0,52	2,61	0,54	2,61	0,54
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	2,38	0,52	2,61	0,54	2,61	0,54

Symbols

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

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

Notes

- The capacities are based on the following conditions:
 Corresponding refrigerant piping length: 5,0 m
 Level difference: 0m
- The bold cells indicate the standard conditions.
 Rated operating frequency [Hz]

3D123265

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25N / RXM25N9

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,21

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

Heating ·220-240V 50Hz·

AFR	10,8
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2	4											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,38	1,87	0,40	2,52	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	2,42	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	2,38	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	2,34	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	2,32	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	2,29	0,55	2,66	0,58	2,92	0,60

Notes

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

Symbols

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

3D123280

FTXM35N / RXM35N9

Cooling ·220-240V 50Hz·

AFR	12,3
BF	0,21

1	2	3																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,66	0,59	3,32	2,60	0,67	3,16	2,52	0,73	3,11	2,49	0,75	3,01	2,45	0,79	2,85	2,38	0,85
16	22	3,64	2,63	0,62	3,48	2,57	0,68	3,32	2,49	0,73	3,27	2,46	0,76	3,17	2,42	0,79	3,01	2,35	0,86
18	25	3,80	2,77	0,62	3,64	2,70	0,68	3,48	2,64	0,74	3,42	2,61	0,76	3,32	2,58	0,80	3,17	2,51	0,86
19	27	3,88	2,93	0,62	3,72	2,88	0,69	3,56	2,81	0,74	3,50	2,78	0,76	3,40	2,74	0,80	3,25	2,68	0,86
22	30	4,11	2,84	0,63	3,96	2,78	0,69	3,79	2,72	0,74	3,73	2,70	0,77	3,63	2,67	0,81	3,48	2,61	0,87
24	32	4,27	2,77	0,63	4,11	2,71	0,70	3,96	2,66	0,75	3,89	2,64	0,77	3,79	2,61	0,81	3,63	2,57	0,87

Heating ·220-240V 50Hz·

AFR	10,8
-----	------

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

Notes

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

Symbols

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

3D123281

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM42N / RXM42N9

Cooling 50 Hz 220 - 240 V

AFR	12,6
BF	0,21

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	3,89	2,92	0,73	3,89	2,92	0,82	3,75	2,85	0,89	3,83	2,89	0,92	3,72	2,83	0,96	3,52	2,74	1,03
16,0	22	4,31	2,99	0,75	4,13	2,90	0,82	3,94	2,81	0,90	4,03	2,85	0,92	3,91	2,79	0,96	3,71	2,70	1,04
18,0	25	4,50	3,12	0,76	4,31	3,04	0,83	4,13	2,96	0,90	4,22	3,00	0,92	4,10	2,95	0,97	3,91	2,87	1,04
19,0	27	4,59	3,29	0,76	4,41	3,21	0,83	4,22	3,13	0,90	4,32	3,17	0,93	4,20	3,12	0,97	4,00	3,04	1,04
22,0	30	4,87	3,17	0,77	4,68	3,10	0,84	4,50	3,03	0,91	4,61	3,07	0,93	4,49	3,03	0,98	4,29	2,96	1,05
24,0	32	5,06	3,09	0,77	4,87	3,02	0,84	4,68	2,96	0,91	4,80	3,00	0,94	4,68	2,96	0,98	4,49	2,89	1,05

Heating 50 Hz 220 - 240 V

AFR	13,0
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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		2,57	0,84	3,09	0,89	3,61	0,93	4,12	1,22	5,59	1,28	6,07	1,32
20,0		2,41	0,87	2,93	0,91	3,45	0,95	3,97	1,25	5,40	1,31	5,89	1,35
22,0		2,35	0,88	2,87	0,92	3,39	0,96	3,90	1,26	5,33	1,32	5,81	1,36
24,0		2,29	0,89	2,80	0,93	3,32	0,97	3,84	1,27	5,25	1,33	5,74	1,38
25,0		2,25	0,89	2,77	0,93	3,29	0,98	3,81	1,27	5,21	1,34	5,65	1,38
27,0		2,19	0,90	2,71	0,94	3,23	0,99	3,75	1,29	5,14	1,35	5,58	1,35

Symbols

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

Notes

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

3D120633

FTXM50N / RXM50N9

Cooling 50 Hz 220 - 240 V

AFR	16,1
BF	0,13

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

Heating 50 Hz 220 - 240 V

AFR	17,1
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		2,76	0,93	3,32	0,98	3,88	1,03	4,43	1,35	6,00	1,42	6,52	1,47
20,0		2,59	0,96	3,15	1,01	3,71	1,05	4,26	1,38	5,80	1,45	6,32	1,50
22,0		2,52	0,97	3,08	1,02	3,64	1,07	4,19	1,39	5,72	1,46	6,24	1,51
24,0		2,46	0,98	3,01	1,03	3,57	1,08	4,12	1,40	5,64	1,48	6,16	1,52
25,0		2,42	0,99	2,98	1,03	3,54	1,08	4,09	1,41	5,60	1,48	6,12	1,53
27,0		2,35	1,00	2,91	1,04	3,47	1,09	4,02	1,42	5,52	1,50	6,04	1,54

Symbols

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

Notes

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

3D120632

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM60N / RXM60N9

Cooling

50 Hz

220 - 240 V

AFR	17,1
BF	0,17

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

Heating

50 Hz

220 - 240 V

AFR	17,7
-----	------

Indoor temperature		Outdoor temperature [°C WB]															
EDB	°C	-15				-10				-5				0			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
15,0	20	3,33	1,24	0,01	1,31	4,68	1,38	6,29	1,81	7,24	1,90	7,87	1,97	8,04	1,30	3,72	1,37
20,0	22	3,13	1,29	3,80	1,35	4,48	1,41	6,05	1,85	7,00	1,94	7,63	2,01	3,04	1,30	3,72	1,37
22,0	25	2,97	1,31	3,63	1,38	4,31	1,45	5,85	1,87	6,81	1,98	7,43	2,03	2,92	1,33	3,60	1,38
24,0	27	2,84	1,34	3,51	1,39	4,19	1,46	5,71	1,90	6,66	2,01	7,29	2,06	2,84	1,34	3,51	1,39

Symbols

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

Notes

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

3D117546A

FVXM25F / RXM25N9

Cooling

50 Hz

220 - 240 V

AFR	8,2
BF	0,1

Indoor temperature		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				32			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14,0	20	2,56	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
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
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
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
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
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

Heating

50 Hz

220 - 240 V

AFR	8,8
-----	-----

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

Symbols

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

Notes

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

3D123273

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXM35F / RXM35N9

Cooling

50 Hz 220 - 240 V

AFR	8,5
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	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

Heating

50 Hz 220 - 240 V

AFR	9,4
-----	-----

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°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	4,69	1,26	

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

EWB : Entering wet-bulb temperature (°C WB)

EDB : Entering dry-bulb temperature (°C DB)

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

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

3D123278

FVXM50F / RXM50N9

Cooling

50 Hz 220 - 240 V

AFR	10,1
BF	0,13

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°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

Heating

50 Hz 220 - 240 V

AFR	11,8
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°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	6,19	1,68	
25,0	2,36	1,36	2,91	1,42	3,45	1,49	4,00	1,55	5,57	1,63	6,16	1,69	
27,0	2,30	1,37	2,84	1,44	3,39	1,50	3,93	1,57	5,53	1,65	6,13	1,70	

Symbols

AFR : Air flow rate [m³/min]

BF : Bypass factor

EWB : Entering wet-bulb temperature (°C WB)

EDB : Entering dry-bulb temperature (°C DB)

TC : Total capacity [kW]

SHC : Sensible heat capacity [kW]

PI : Power input [kW]

Notes

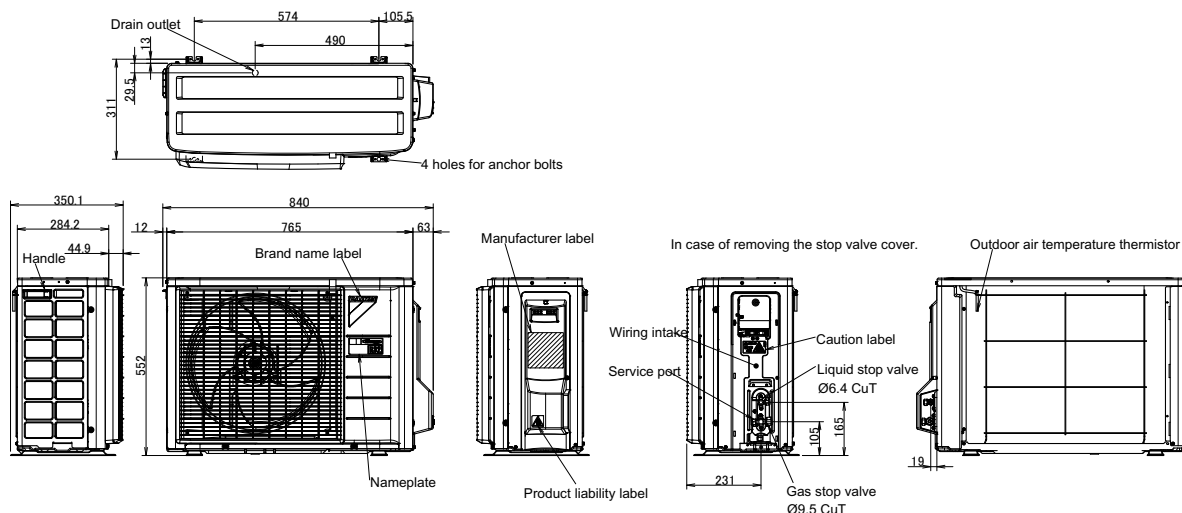
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures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

3D110095B

5 Dimensional drawings

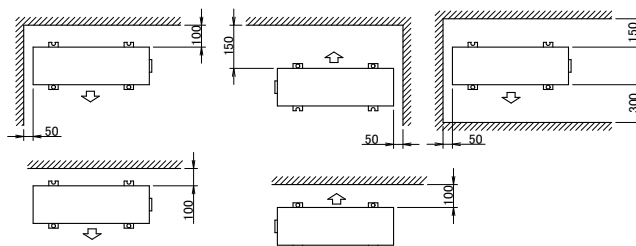
5 - 1 Dimensional Drawings

RXM20-35N9



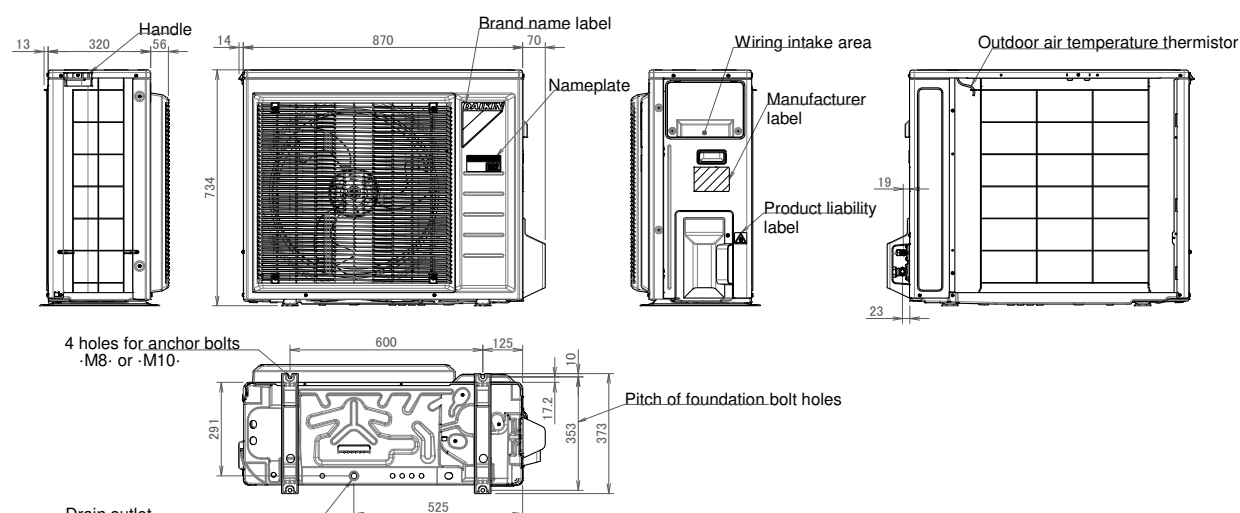
Minimum space for air passage

Wall height on air outlet side < 1200 mm



3D119881

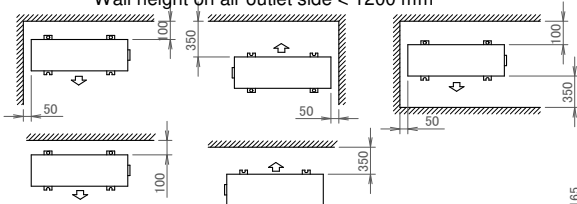
RXM42-60N9



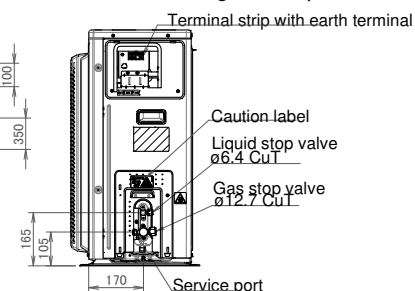
Drain outlet
Connection hose (inside diameter: ·15.9·mm)

Minimum space for air passage

Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.



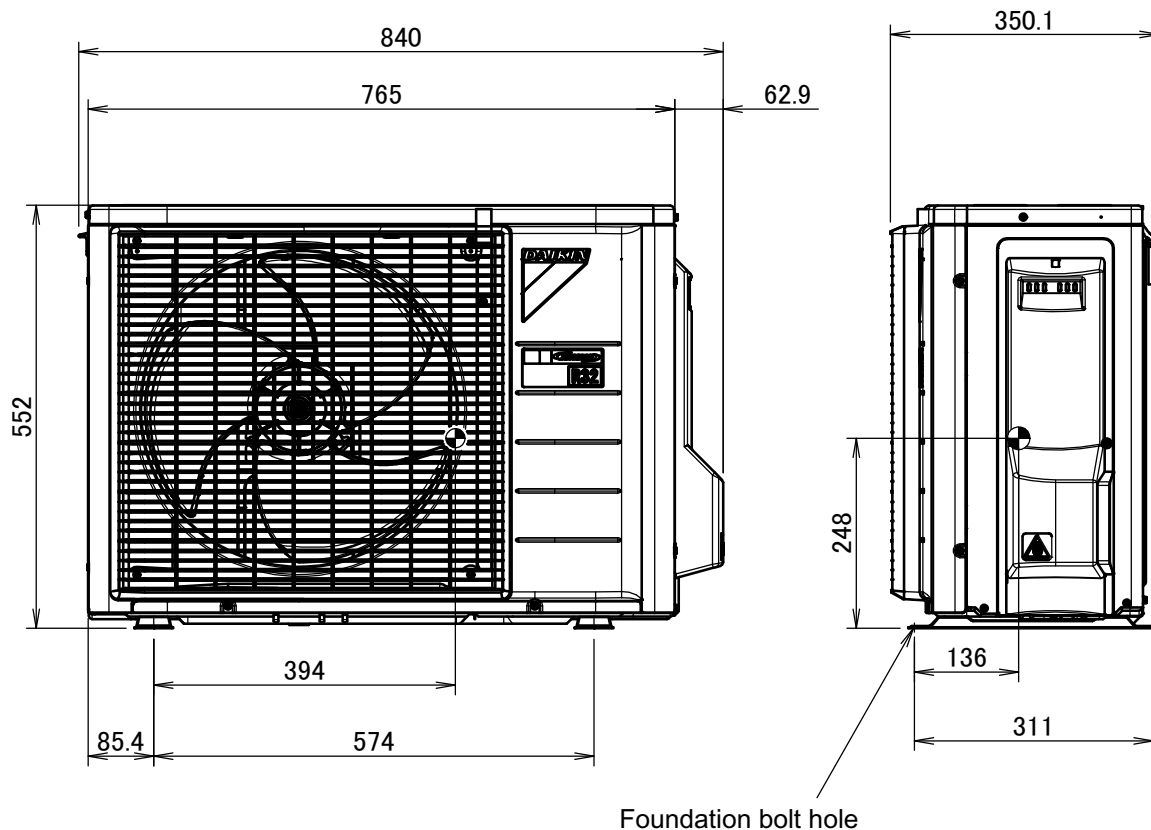
3D114108A

6 Centre of gravity

6 - 1 Centre of Gravity

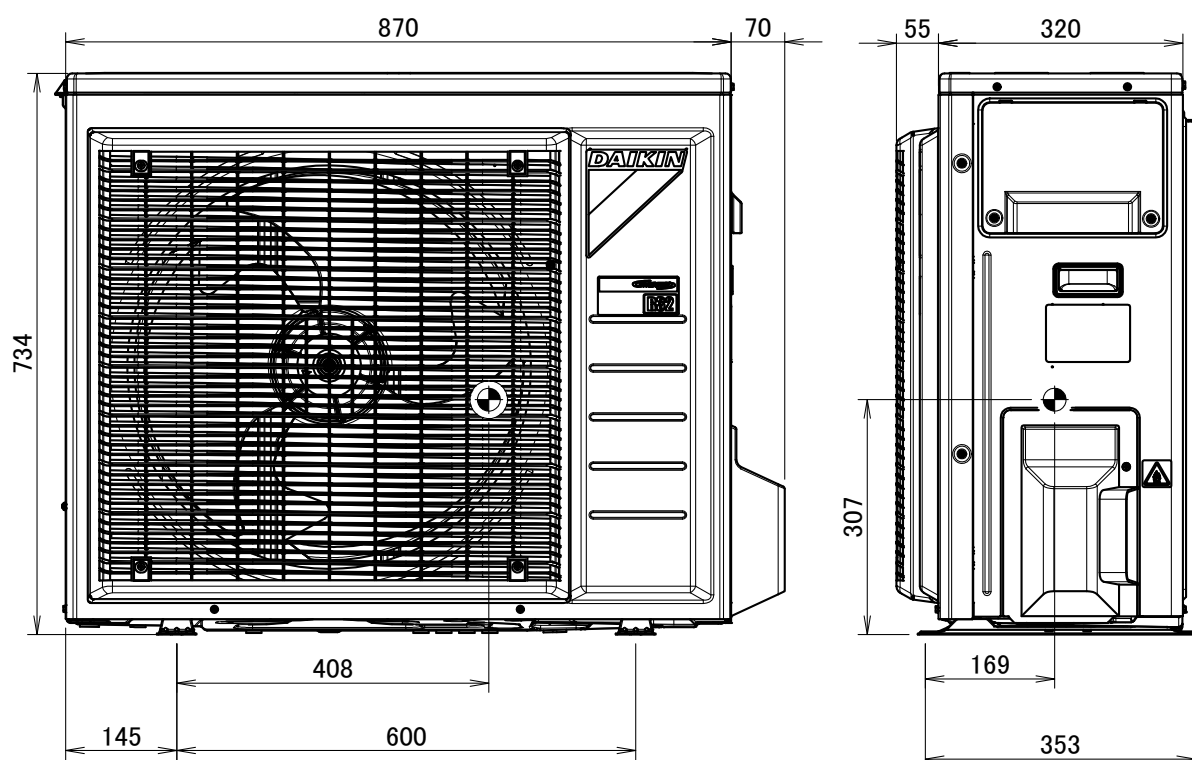
6

RXM20-35N9



4D119880

RXM42- 60N9

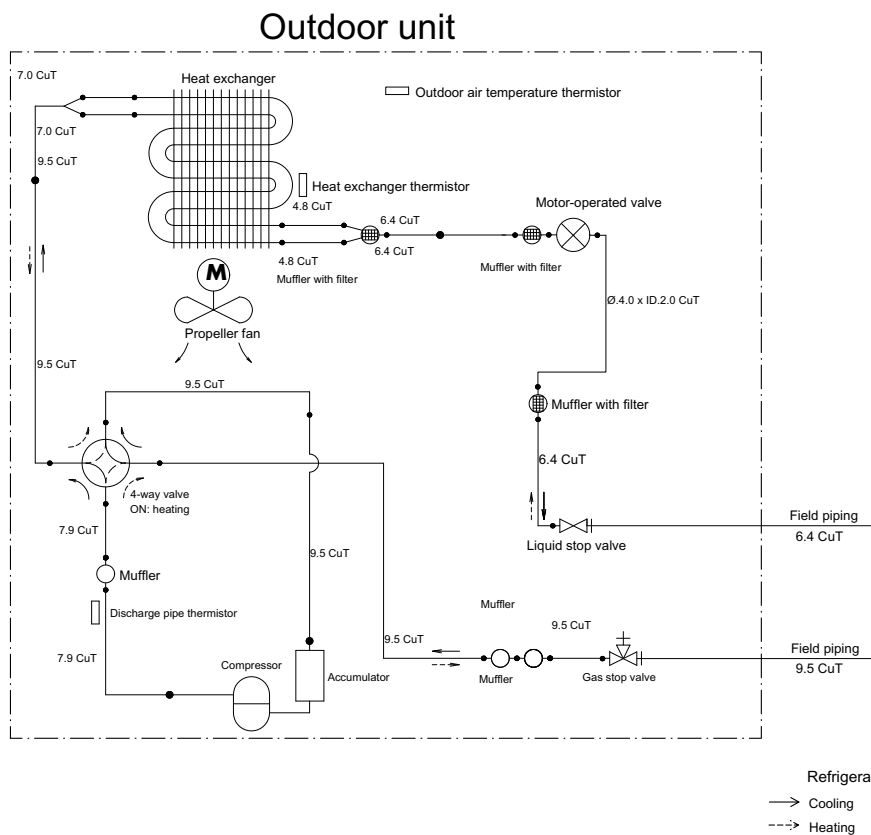


4D117299

7 Piping diagrams

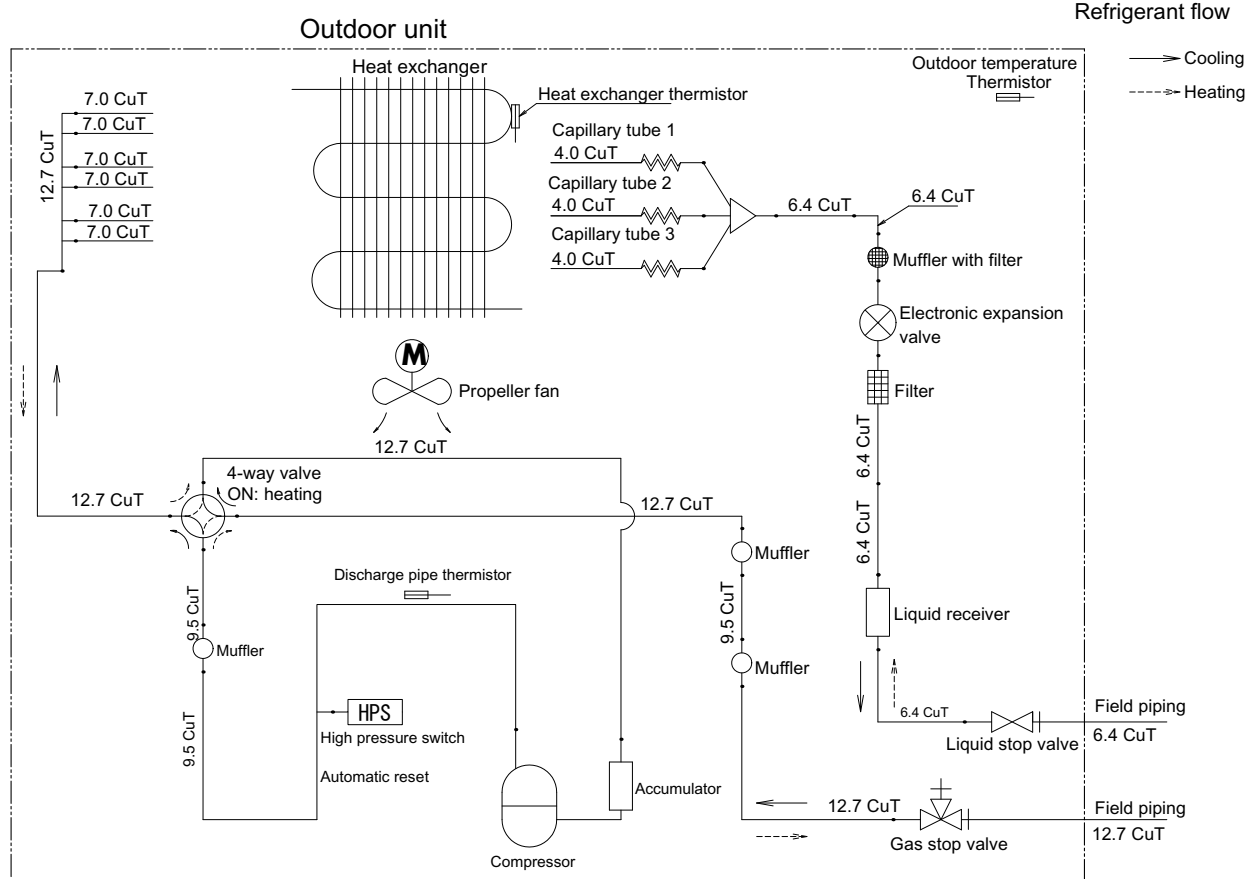
7 - 1 Piping Diagrams

RXM20-35N9



3D091995B

RXM42-60N9

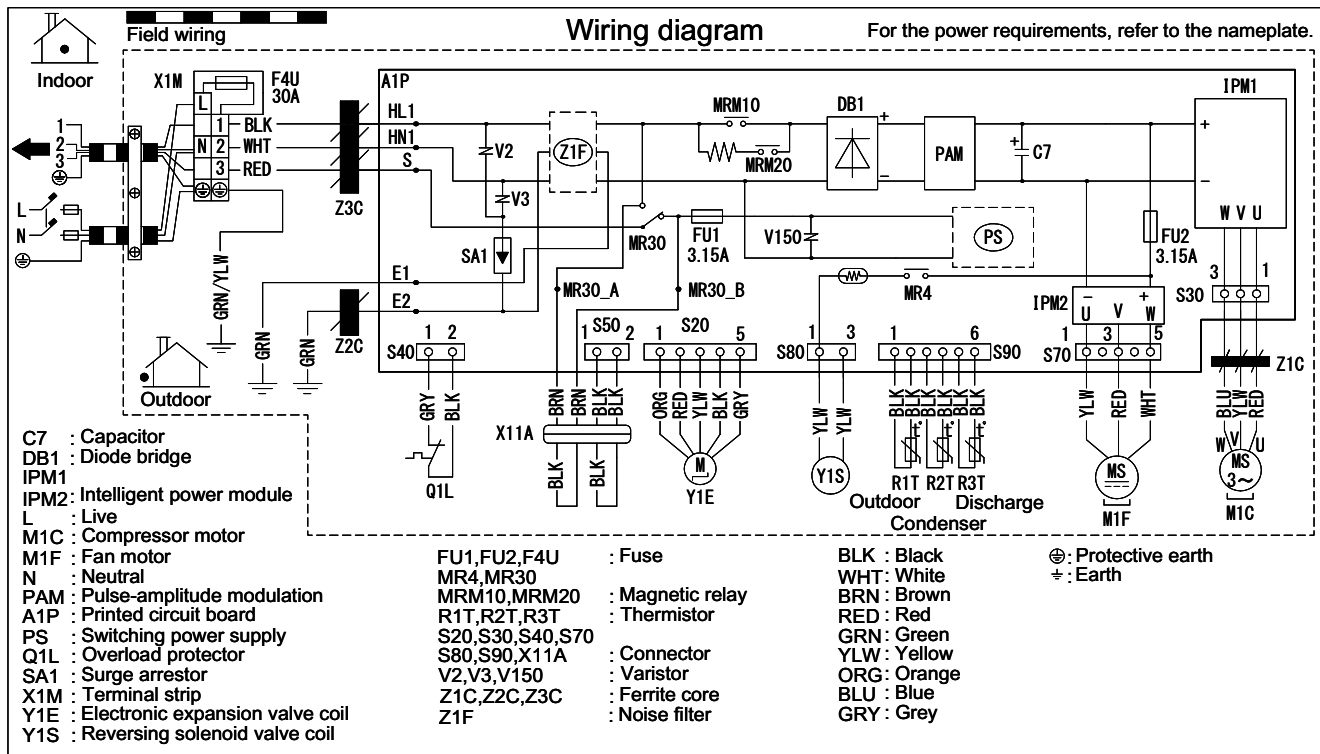


3D116829

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM20-35N9



Notes

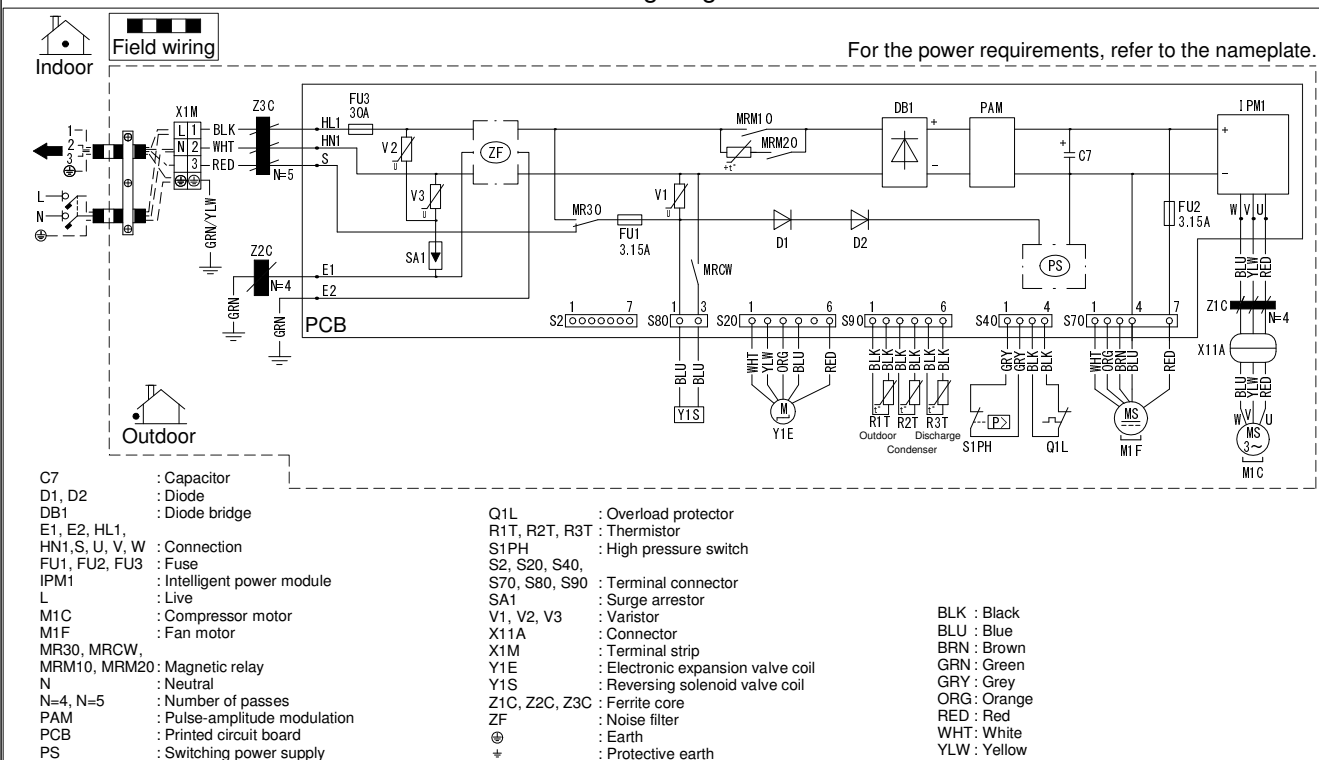
Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

4D120154

RXM42N9

Wiring diagram

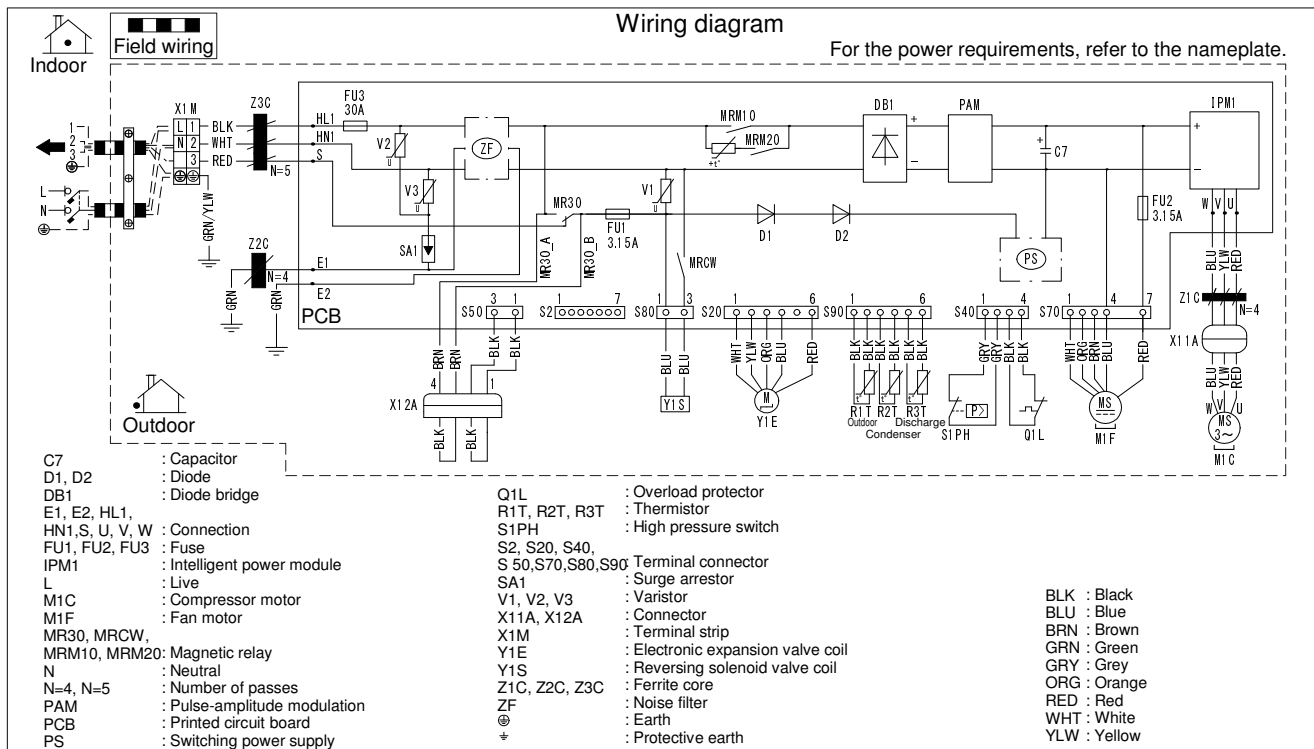


3D114452A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM50-60N9



Notes:

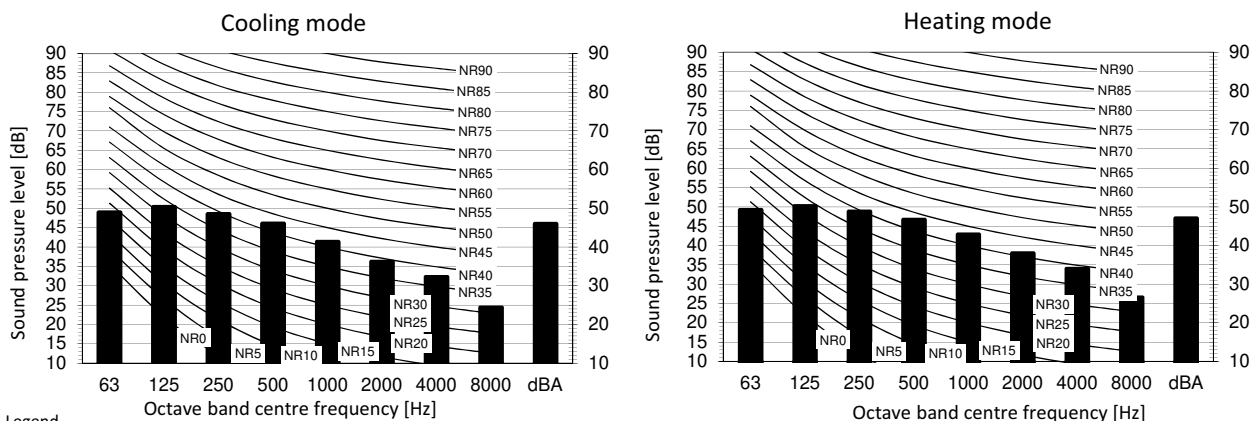
1. Size: 105 x 185
2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.

3D116492

9 Sound data

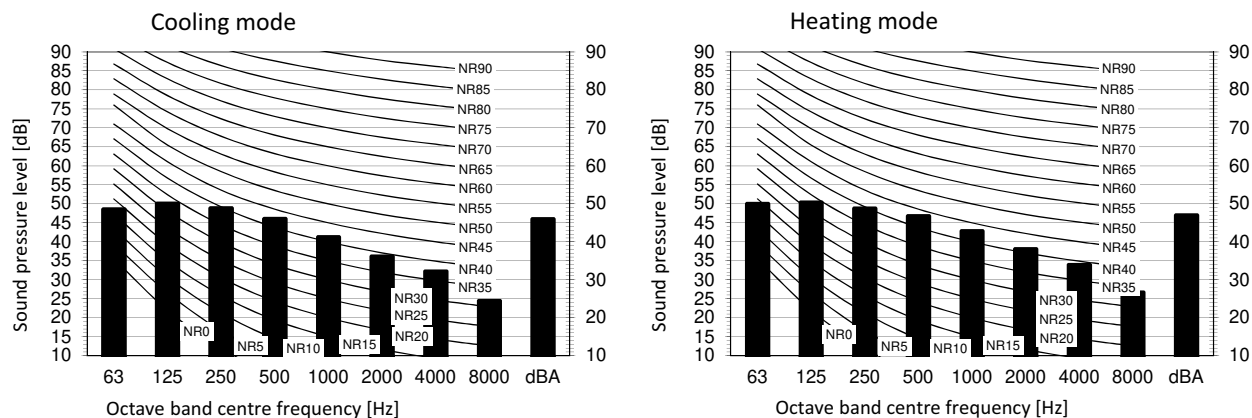
9 - 1 Sound Pressure Spectrum

RXM20N9



3D110121A

RXM25N9

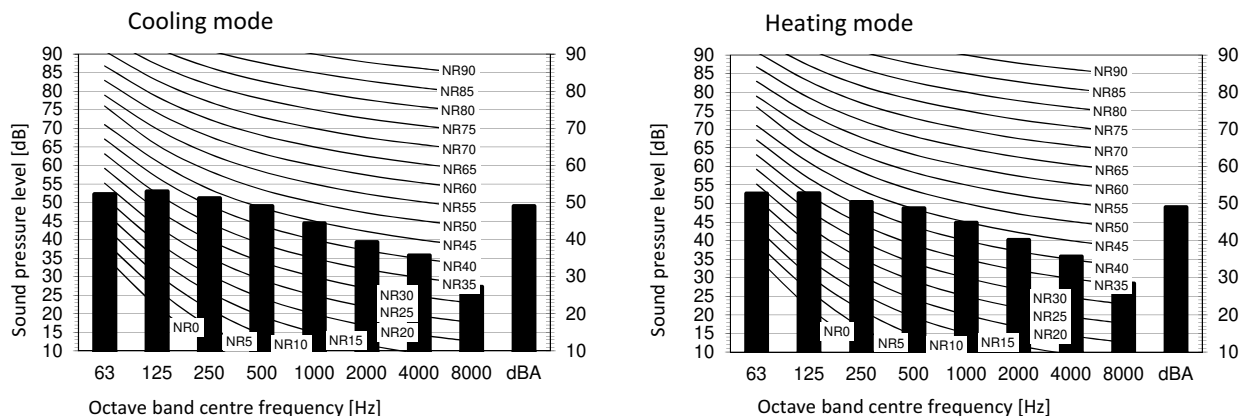


3D110122A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM35N9

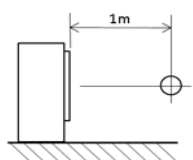


Legend

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

- A Scale
B Fan speed: High

Location of microphone

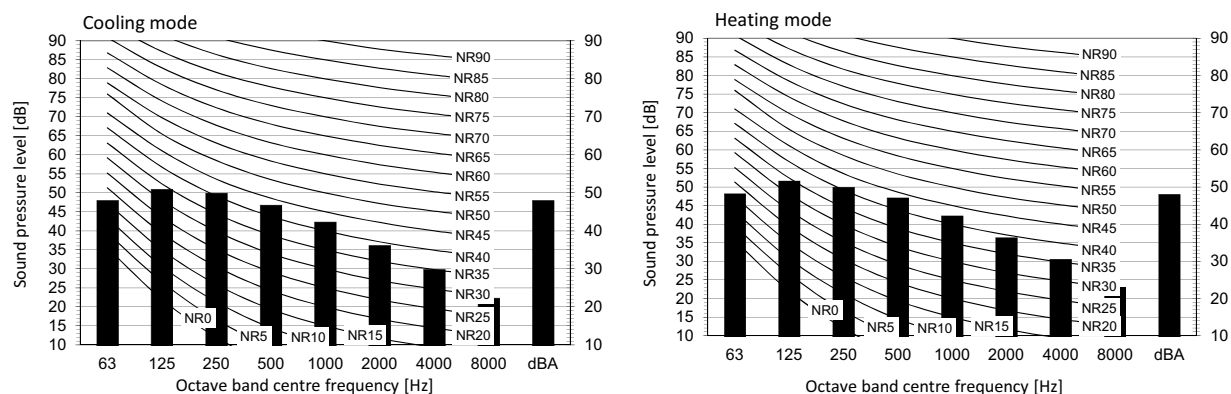


- Notes**
- 1 Background noise already taken into account.
 - 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - 3 Operating noise varies depending on operation and ambient conditions.
 - 4 The operation noise measuring method is in accordance with JISC9612.
 - 5 Measuring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

Cooling		Heating	
Total dB		Total dB	
A	B	A	B
dBA	49	dBA	49

3D110123A

RXM42N9

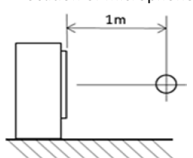


Legend

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

- A Scale
B Fan speed: High

Location of microphone



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

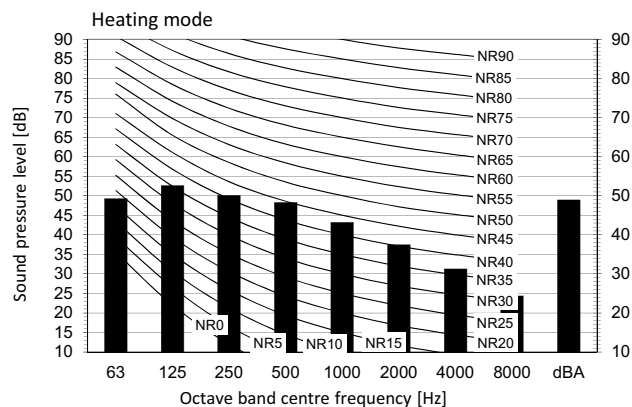
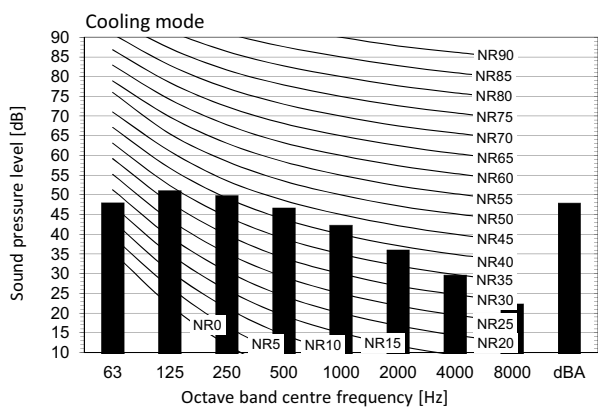
Cooling		Heating	
Total dB		Total dB	
A	B	A	B
dBA	48,0	dBA	48,0

3D117529

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM50N9



Legend

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

A Scale

B Fan speed: High

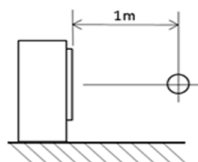
Cooling Total dB

A	B
dBA	48,0

Heating Total dB

A	B
dBA	49,0

Location of microphone

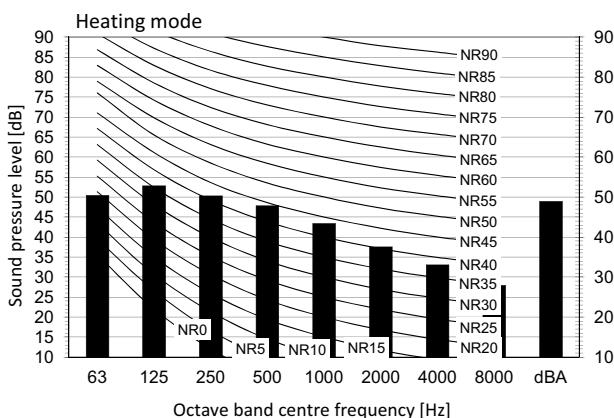
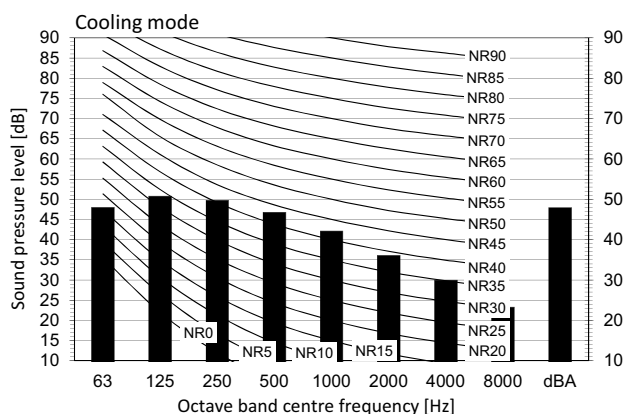


Notes

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

3D117528

RXM60N9



Legend

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

A Scale

B Fan speed: High

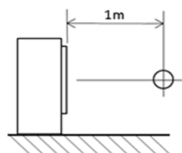
Cooling Total dB

A	B
dBA	48,0

Heating Total dB

A	B
dBA	49,0

Location of microphone



Notes

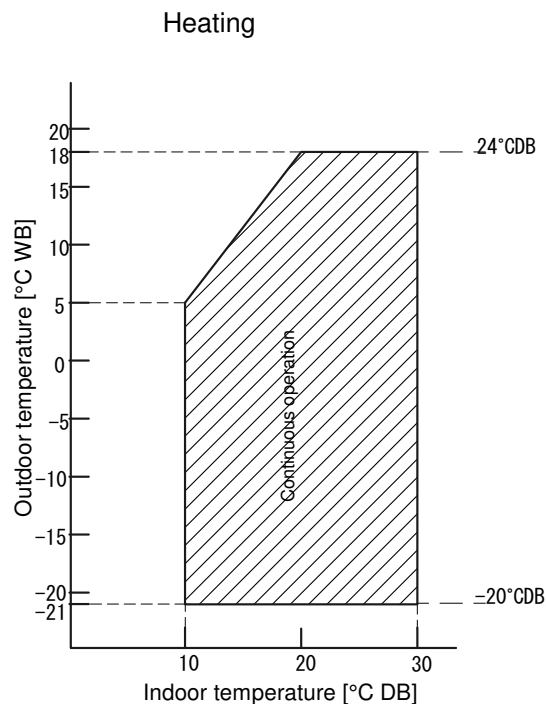
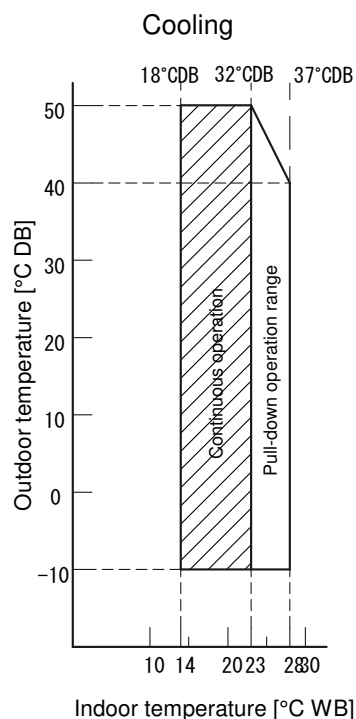
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D117530

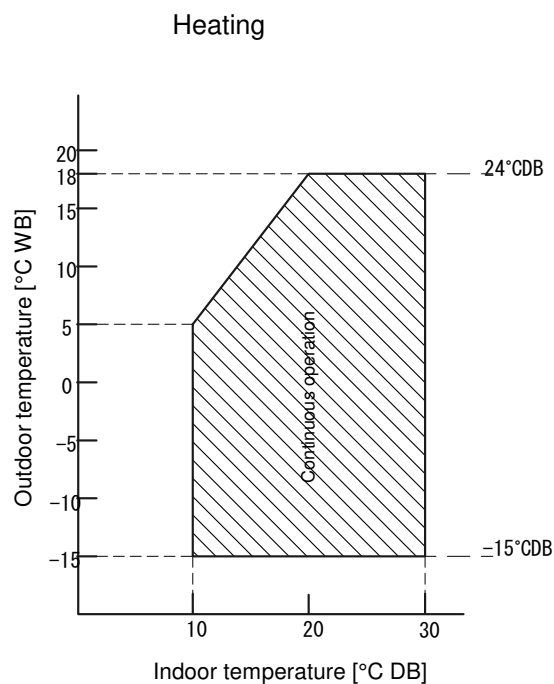
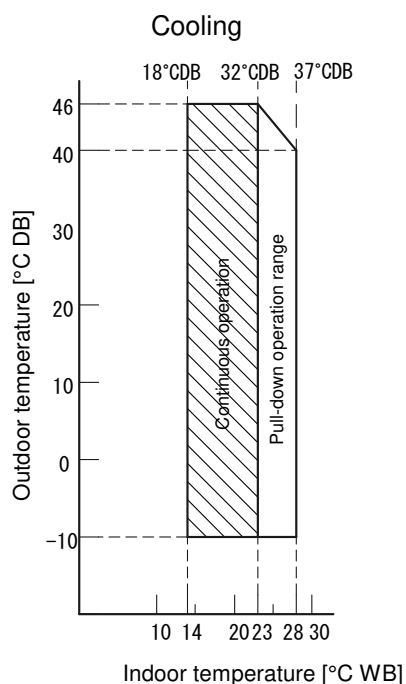
10 Operation range

10 - 1 Operation Range

RXM-N9



Only possible in combination with ·CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B·



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

Notes

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

3D119882D

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EEEN20

02/20



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