Split

Air Conditioning Technical Data

RXM-N9

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RXM-N9

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				FVXM25F/RXM25N9	FVXM35F/RXM35N9	FVXM50F/RXM50N9
Indoor unit				FVXM25FV1B	FVXM35FV1B	FVXM50FV1B
Outdoor unit				RXM25N2V1B9	RXM35N2V1B9	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
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

2-1 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		
		Pdh (declared heating cap)		kW	2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input		kW	0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)		°C	-7		
		Pdh (declared heating cap)		kW	2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input		kW	0.65	1.07	1.69
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input		kW	0.65	1.07	1.69
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input		kW	0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input		kW	0.11	0.15	0.31
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		
Ecolabel logo					No		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62
	Sound power level indoor	Cooling	Nom.	dBA	52		57
	Piping length	Cooling	Measuring condition	m	5.0		
Nominal efficiency	EER				4.20	3.21	3.23
	COP				4.42	3.78	3.63
	Annual energy consumption			kWh	298	545	773
	Energy labeling Directive	Cooling			A		
		Heating			A		

2 Specifications

2-1 Capacity and Power input					FVXM25F/RXM25N9	FVXM35F/RXM35N9	FVXM50F/RXM50N9
Power consumption in other than active mode	Off mode	POFF		W	2.0		
	Standby mode	Cooling	PSB	W	2.0		
		Heating	PSB	W	2.0		
	Thermostat-off mode	PTO	Cooling	W	8.0		
			Heating	W	8.0		
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.29	1.56	2.27
	Energy efficiency class				A+++		A++
	SCOP				5.81	5.44	4.96
	SCOPnet				5.93	5.52	5.01
	Annual energy consumption			kWh/a	311	402	641
	Required back up heating cap at design conditions			kW	0.00		
	TOL	Tol (temperature operating limit)		°C	-15		
		Pdh (declared heating cap)		kW	2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input		kW	0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input		kW	0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input		kW	0.11	0.15	0.31

Notes

See separate drawing for electrical data

See separate drawing for operation range

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

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

2-2 Capacity and Power input				FFA35A9/RXM35N9
Indoor unit				FFA35A2VEB9
Outdoor unit				RXM35N2V1B9
Cooling capacity	Nom.		kW	3.40
			Btu/h	11,601
			kcal/h	2,923
Heating capacity	Nom.		kW	4.20
			Btu/h	14,331
			kcal/h	3,611
Power input	Cooling	Nom.	kW	0.89
	Heating	Nom.	kW	1.20

2 Specifications

2-2 Capacity and Power input				FFA35A9/RXM35N9
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.40
	SEER			6.38
	Annual energy consumption		kWh/a	186
	A Condition (35°C - 27/19)	Pdc	kW	3.40
		EERd		3.81
		Power input	kW	0.89
	B Condition (30°C - 27/19)	Pdc	kW	2.51
		EERd		5.79
		Power input	kW	0.43
	C Condition (25°C - 27/19)	Pdc	kW	1.45
		EERd		9.13
		Power input	kW	0.16
	D Condition (20°C - 27/19)	Pdc	kW	1.26
		EERd		11.99
		Power input	kW	0.11
Space heating (Average climate)	Energy efficiency class			A+
	Capacity	Pdesign	kW	3.10
	SCOP/A			4.10
	SCOPnet/A			4.19
	Pdh Heating capacity at -10°		kW	2.54
	Annual energy consumption		kWh/a	1,058
	Required back up heating cap at design conditions		kW	0.56
	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	2.03
		COPd (declared COP)		2.10
		Power input	kW	0.97
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	2.04
		COPd (declared COP)		2.89
		Power input	kW	0.71
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.04
		COPd (declared COP)		2.89
		Power input	kW	0.71
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24
		COPd (declared COP)		4.00
		Power input	kW	0.31
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.03
		COPd (declared COP)		5.37
		Power input	kW	0.19
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.21
		COPd (declared COP)		6.65
		Power input	kW	0.18
Cooling	Cdc (Degradation cooling)			0.25
Heating	Cdh (Degradation heating)			0.25
Cooling function included				Yes
Heating function included				Yes
Average climate included				Yes
Cold season included				No
Warm season included				Yes
Ecolabel logo				No

2 Specifications

2-2 Capacity and Power input					FFA35A9/RXM35N9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
	Sound power level indoor	Cooling	Nom.	dBA	51
	Piping length	Cooling	Measuring condition	m	5.0
Nominal efficiency	EER				3.81
	COP				3.50
	Annual energy consumption			kWh	446
	Energy labeling Directive	Cooling			A
		Heating			B
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.014
		Heating	POFF	kW	0.014
	Standby mode	Cooling	PSB	kW	0.014
		Heating	PSB	kW	0.014
	Thermostat-off mode	Cooling	PTO	kW	0.007
		Heating	PTO	kW	0.007
Space heating (Warm climate)	Energy efficiency class				A+++
	Capacity	Pdesignh		kW	1.24
	SCOP				5.10
	SCOPnet				5.18
	Annual energy consumption			kWh/a	341
	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
		COPd (declared COP)			2.10
		Power input		kW	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.24
		COPd (declared COP)			4.00
		Power input		kW	0.31
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24
		COPd (declared COP)			4.00
		Power input		kW	0.31
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.03
		COPd (declared COP)			5.37
		Power input		kW	0.19
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.21
		COPd (declared COP)			6.65
		Power input		kW	0.18

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

2-3 Capacity and Power input				FNA35A9/RXM35N9
Indoor unit				FNA35A2VEB9
Outdoor unit				RXM35N2V1B9
Cooling capacity	Nom.		kW	3.40
			Btu/h	11,601
			kcal/h	2,923
Heating capacity	Nom.		kW	4.00
			Btu/h	13,649
			kcal/h	3,439
Power input	Cooling	Nom.	kW	1.10
	Heating	Nom.	kW	1.15
Space cooling	Energy efficiency class			A+
	Capacity	Pdesign	kW	3.40
	SEER			5.70
	Annual energy consumption		kWh/a	209
	A Condition (35°C - 27/19)	Pdc	kW	3.40
		EERd		3.09
		Power input	kW	1.10
	B Condition (30°C - 27/19)	Pdc	kW	2.50
		EERd		4.41
		Power input	kW	0.57
	C Condition (25°C - 27/19)	Pdc	kW	1.61
		EERd		9.38
		Power input	kW	0.17
	D Condition (20°C - 27/19)	Pdc	kW	1.46
		EERd		10.14
		Power input	kW	0.14

2 Specifications

2-3 Capacity and Power input					FNA35A9/RXM35N9
Space heating (Average climate)	Energy efficiency class				A+
	Capacity	Pdesign		kW	2.90
	SCOP/A				4.05
	SCOPnet/A				4.08
	Pdh Heating capacity at -10°			kW	2.42
	Annual energy consumption			kWh/a	1,002
	Required back up heating cap at design conditions			kW	0.48
	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.15
		COPd (declared COP)			2.21
		Power input		kW	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.71
		Power input		kW	0.95
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.71
		Power input		kW	0.95
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.01
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			5.16
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.35
		Power input		kW	0.19
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Ecolabel logo					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
	Sound power level indoor	Cooling	Nom.	dBA	53
	Piping length	Cooling	Measuring condition	m	5.0
Nominal efficiency	EER				3.09
	COP				3.48
	Annual energy consumption			kWh	551
	Energy labeling Directive	Cooling			B
		Heating			B

2 Specifications

2-3 Capacity and Power input					FNA35A9/RXM35N9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.014
		Heating	POFF	kW	0.014
	Standby mode	Cooling	PSB	kW	0.014
		Heating	PSB	kW	0.014
	Thermostat-off mode	Cooling	PTO	kW	0.007
		Heating	PTO	kW	0.007
Space heating (Warm climate)	Energy efficiency class				A+++
	Capacity	Pdesignh		kW	1.57
	SCOP				5.10
	SCOPnet				5.16
	Annual energy consumption			kWh/a	431
	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
		COPd (declared COP)			2.21
		Power input		kW	0.97
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.01
		Power input		kW	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.01
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			5.16
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.35
		Power input		kW	0.19

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			FTXM20N/ RXM20N9	FTXM25N/ RXM25N9	FTXM35N/ RXM35N9	FTXM42N/ RXM42N9	FTXM50N/ RXM50N9	FTXM60N/ RXM60N9
Indoor unit			FTXM20N2V1B	FTXM25N2V1B	FTXM35N2V1B	FTXM42N2V1B	FTXM50N2V1B	FTXM60N2V1B
Outdoor unit			RXM20N2V1B9	RXM25N2V1B9	RXM35N2V1B9	RXM42N2V1B9	RXM50N2V1B9	RXM60N2V1B9
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

2 Specifications

2-4 Capacity and Power input				FTXM20N/ RXM20N9	FTXM25N/ RXM25N9	FTXM35N/ RXM35N9	FTXM42N/ RXM42N9	FTXM50N/ RXM50N9	FTXM60N/ RXM60N9
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	304
	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

2-4 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		58	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

2-4 Capacity and Power input					FTXM20N/ RXM20N9	FTXM25N/ RXM25N9	FTXM35N/ RXM35N9	FTXM42N/ RXM42N9	FTXM50N/ RXM50N9	FTXM60N/ RXM60N9
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0					
	Off mode	POFF		W	1					
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
	Thermostat-off mode	PTO	Cooling	W	6			12		
			Heating	W	7			13		
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.

2-5 Capacity and Power input	FDXM35F9/RXM35N9
Indoor unit	FDXM35F3V1B9
Outdoor unit	RXM35N2V1B9

2 Specifications

2-5 Capacity and Power input				FDXM35F9/RXM35N9
Cooling capacity	Min.		kW	1.40
			Btu/h	4,776
			kcal/h	1,203
	Nom.		kW	3.40
			Btu/h	11,601
			kcal/h	2,923
	Max.		kW	3.80
			Btu/h	12,966
			kcal/h	3,267
Heating capacity	Min.		kW	1.40
			Btu/h	4,776
			kcal/h	1,203
	Nom.		kW	4.00
			Btu/h	13,649
			kcal/h	3,439
	Max.		kW	5.00
			Btu/h	17,060
			kcal/h	4,299
Power input	Cooling	Nom.	kW	1.14
	Heating	Nom.	kW	1.15
Space cooling	Energy efficiency class			A
	Capacity	Pdesign	kW	3.40
	SEER			5.26
	Annual energy consumption		kWh/a	226
	A Condition (35°C - 27/19)	Pdc	kW	3.40
		EERd		2.98
		Power input	kW	1.14
	B Condition (30°C - 27/19)	Pdc	kW	2.50
		EERd		4.08
		Power input	kW	0.61
	C Condition (25°C - 27/19)	Pdc	kW	1.61
		EERd		8.05
		Power input	kW	0.20
	D Condition (20°C - 27/19)	Pdc	kW	1.46
		EERd		9.65
		Power input	kW	0.15

2 Specifications

2-5 Capacity and Power input					FDXM35F9/RXM35N9
Space heating (Average climate)	Energy efficiency class				A
	Capacity	Pdesign		kW	2.90
	SCOP/A				3.88
	SCOPnet/A				3.90
	Pdh Heating capacity at -10°			kW	2.42
	Annual energy consumption			kWh/a	1,046
	Required back up heating cap at design conditions			kW	0.48
	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.15
		COPd (declared COP)			2.01
		Power input		kW	1.07
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.60
		Power input		kW	0.99
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.60
		Power input		kW	0.99
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			3.84
		Power input		kW	0.41
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			4.94
		Power input		kW	0.21
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.08
		Power input		kW	0.20
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Ecolabel logo					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
	Sound power level indoor	Cooling	Nom.	dBA	53
	Piping length	Cooling	Measuring condition	m	5.0
Nominal efficiency	EER				2.98
	COP				3.48
	Annual energy consumption			kWh	570
	Energy labeling Directive	Cooling			C
		Heating			B

2 Specifications

2-5 Capacity and Power input					FDXM35F9/RXM35N9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.014
		Heating	POFF	kW	0.014
	Standby mode	Cooling	PSB	kW	0.014
		Heating	PSB	kW	0.014
	Thermostat-off mode	Cooling	PTO	kW	0.007
		Heating	PTO	kW	0.007
Space heating (Warm climate)	Energy efficiency class				A++
	Capacity	Pdesignh		kW	1.57
	SCOP				4.88
	SCOPnet				4.94
	Annual energy consumption			kWh/a	450
	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
		COPd (declared COP)			2.01
		Power input		kW	1.07
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			3.84
		Power input		kW	0.41
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			3.84
		Power input		kW	0.41
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			4.94
		Power input		kW	0.21
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.08
		Power input		kW	0.20

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				FHA35A9/RXM35N9
Indoor unit				FHA35AVEB9
Outdoor unit				RXM35N2V1B9
Cooling capacity	Nom.		kW	3.40
			Btu/h	11,601
			kcal/h	2,923
Heating capacity	Nom.		kW	4.00
			Btu/h	13,649
			kcal/h	3,439
Power input	Cooling	Nom.	kW	0.91
	Heating	Nom.	kW	0.98

2 Specifications

2-6 Capacity and Power input				FHA35A9/RXM35N9
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.40
	SEER			6.24
	Annual energy consumption		kWh/a	191
	A Condition (35°C - 27/19)	Pdc	kW	3.40
		EERd		3.73
		Power input	kW	0.91
	B Condition (30°C - 27/19)	Pdc	kW	2.51
		EERd		5.28
		Power input	kW	0.48
	C Condition (25°C - 27/19)	Pdc	kW	1.68
		EERd		9.59
		Power input	kW	0.18
	D Condition (20°C - 27/19)	Pdc	kW	1.64
		EERd		11.71
		Power input	kW	0.14
Space heating (Average climate)	Energy efficiency class			A+
	Capacity	Pdesign	kW	3.10
	SCOP/A			4.43
	SCOPnet/A			4.47
	Pdh Heating capacity at -10°		kW	2.63
	Annual energy consumption		kWh/a	979
	Required back up heating cap at design conditions		kW	0.47
	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	2.47
		COPd (declared COP)		2.23
		Power input	kW	1.11
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	2.74
		COPd (declared COP)		2.94
		Power input	kW	0.93
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.74
		COPd (declared COP)		2.94
		Power input	kW	0.93
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.67
		COPd (declared COP)		4.32
		Power input	kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.14
		COPd (declared COP)		5.83
		Power input	kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.34
		COPd (declared COP)		7.24
		Power input	kW	0.19
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

2 Specifications

2-6 Capacity and Power input					FHA35A9/RXM35N9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
	Sound power level indoor	Cooling	Nom.	dBA	53
	Piping length	Cooling	Measuring condition	m	5.0
Nominal efficiency	EER				3.73
	COP				4.08
	Annual energy consumption			kWh	456
	Energy labeling Directive	Cooling			A
		Heating			A
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.014
		Heating	POFF	kW	0.014
	Standby mode	Cooling	PSB	kW	0.014
		Heating	PSB	kW	0.014
	Thermostat-off mode	Cooling	PTO	kW	0.010
		Heating	PTO	kW	0.010
Space heating (Warm climate)	Energy efficiency class				A+++
	Capacity	Pdesignh		kW	1.67
	SCOP				5.72
	SCOPnet				5.82
	Annual energy consumption			kWh/a	409
	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
		COPd (declared COP)			2.23
		Power input		kW	1.11
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			4.32
		Power input		kW	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			4.32
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.14
		COPd (declared COP)			5.83
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.34
		COPd (declared COP)			7.24
		Power input		kW	0.19

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

2-7 Capacity and Power input				FBA35A9/RXM35N9
Indoor unit				FBA35A2VEB9
Outdoor unit				RXM35N2V1B9
Cooling capacity	Nom.		kW	3.40
			Btu/h	11,601
			kcal/h	2,923
Heating capacity	Nom.		kW	4.00
			Btu/h	13,649
			kcal/h	3,439
Power input	Cooling	Nom.	kW	0.85
	Heating	Nom.	kW	1.00
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.40
	SEER			6.23
	Annual energy consumption		kWh/a	191
	A Condition (35°C - 27/19)	Pdc	kW	3.40
		EERd		4.02
		Power input	kW	0.85
	B Condition (30°C - 27/19)	Pdc	kW	2.51
		EERd		5.54
		Power input	kW	0.45
	C Condition (25°C - 27/19)	Pdc	kW	1.73
		EERd		8.13
		Power input	kW	0.21
	D Condition (20°C - 27/19)	Pdc	kW	1.61
		EERd		9.06
		Power input	kW	0.18

2 Specifications

2-7 Capacity and Power input					FBA35A9/RXM35N9
Space heating (Average climate)	Energy efficiency class				A+
	Capacity	Pdesign		kW	2.90
	SCOP/A				4.07
	SCOPnet/A				4.10
	Pdh Heating capacity at -10°			kW	2.47
	Annual energy consumption			kWh/a	996
	Required back up heating cap at design conditions			kW	0.43
	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	2.15
		COPd (declared COP)			2.37
		Power input		kW	0.91
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.73
		Power input		kW	0.94
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57
		COPd (declared COP)			2.73
		Power input		kW	0.94
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.03
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			5.18
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.38
		Power input		kW	0.19
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Ecolabel logo					No
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61
	Sound power level indoor	Cooling	Nom.	dBA	60
	Piping length	Cooling	Measuring condition	m	5.0
Nominal efficiency	EER				4.02
	COP				4.02
	Annual energy consumption			kWh	423
	Energy labeling Directive	Cooling			A
		Heating			A

2 Specifications

2-7 Capacity and Power input					FBA35A9/RXM35N9
Power consumption in other than active mode	Off mode	Cooling	POFF	kW	0.007
		Heating	POFF	kW	0.007
	Standby mode	Cooling	PSB	kW	0.007
		Heating	PSB	kW	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	1.57
	SCOP				5.12
	SCOPnet				5.19
	Annual energy consumption			kWh/a	429
	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
		COPd (declared COP)			2.37
		Power input		kW	0.91
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.03
		Power input		kW	0.39
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57
		COPd (declared COP)			4.03
		Power input		kW	0.39
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02
		COPd (declared COP)			5.18
		Power input		kW	0.20
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19
		COPd (declared COP)			6.38
		Power input		kW	0.19

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.

2-8 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		

2 Specifications

2-8 Technical Specifications					RXM20N9	RXM25N9	RXM35N9	RXM42N9	RXM50N9	RXM60N9
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			cm^3	-			650		
	Type				Hermetically sealed swing compressor					
	Output			W	800			1,300		
	Oil Type				-			FW68DA		
Fan	Type				Propeller fan					
	Air flow rate	Cooling	Nom.	m^3/min	36.0	28.3	36.0	46.6		
				cfm	1,271	999	1,271	1,645		
		Heating	Nom.	m^3/min	28.3			44.1		
				cfm	999			1,557		
Fan motor	Model				DFC05A3VA			D55F-31		
	Output			W	50			55		
	Speed	Cooling	High	rpm	920	860	920	760		
			Nom.	rpm	860		920	740		
			Low	rpm	400			640		
		Heating	High	rpm	860			720		
			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	
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					

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;

2-9 Electrical Specifications			RXM20N9	RXM25N9	RXM35N9	RXM42N9	RXM50N9	RXM60N9
Power supply	Phase		1~					
	Frequency	Hz	50					
	Voltage	V	220-240					

2 Specifications

2-9 Electrical Specifications			RXM20N9	RXM25N9	RXM35N9	RXM42N9	RXM50N9	RXM60N9
Wiring connections	For power supply	Quantity	3					
		Remark	Earth wire included					
	For connection with indoor	Quantity	4					
		Remark	Earth wire included					

Notes

Contains fluorinated greenhouse gases

See separate drawing for operation range

See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical Data

RXM20-35N9

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20N2V1B9	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				
RXM25N2V1B9	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				
RXM25N2V1B9	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				
RXM25N2V1B9	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				
RXM25N2V1B9	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				
RXM35N2V1B9	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				
RXM35N2V1B9	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				
RXM35N2V1B9	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				
RXM35N2V1B9	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				
RXM35N2V1B9	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				
RXM35N2V1B9	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				
RXM35N2V1B9	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				
ARXM25N2V1B9	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				
ARXM35N2V1B9	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]

3D120681

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

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

Symbols

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

Notes

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

3D110072A

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

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

Symbols

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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
6. 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]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,52	4,08	1,60	4,76	1,67	5,44	1,75	7,24	1,84	7,87	1,91
20,0	3,18	1,56	3,87	1,64	4,55	1,72	5,23	1,79	7,00	1,89	7,63	1,95
22,0	3,10	1,58	3,78	1,66	4,47	1,73	5,15	1,81	6,90	1,90	7,54	1,97
24,0	3,02	1,59	3,70	1,67	4,38	1,75	5,07	1,83	6,81	1,92	7,44	1,98
25,0	2,97	1,60	3,66	1,68	4,34	1,76	5,03	1,84	6,76	1,93	7,39	1,99
27,0	2,89	1,62	3,57	1,70	4,26	1,78	4,94	1,85	6,66	1,95	7,29	2,01

Symbols

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

Notes

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

3D110074B

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

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

Symbols

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

Notes

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

3D110075A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCAG50B / 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

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

Symbols

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

Notes

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

3D110076B

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

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

Symbols

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

Notes

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

3D110077B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM25F9 / 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

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

3D110078A

FDXM35F9 / 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

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

Symbols

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

Notes

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

3D110079A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM50F9 / 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	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,51	3,24	1,58	3,78	1,66	4,33	1,74	6,00	1,83	6,52	1,89
20,0	2,53	1,55	3,07	1,62	3,62	1,70	4,16	1,78	5,80	1,87	6,32	1,93
22,0	2,46	1,56	3,01	1,64	3,55	1,72	4,10	1,80	5,72	1,89	6,24	1,95
24,0	2,40	1,58	2,94	1,66	3,49	1,74	4,03	1,81	5,64	1,90	5,96	1,97
25,0	2,36	1,59	2,91	1,67	3,45	1,74	4,00	1,82	5,60	1,91	5,73	1,97
27,0	2,30	1,61	2,84	1,68	3,39	1,76	3,93	1,84	5,27	1,93	5,27	1,99

Symbols

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

Notes

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

3D110080B

FDXM60F9 / 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

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

Symbols

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

Notes

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

3D110081B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

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

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

Symbols

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

Notes

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

3D110082A

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

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

Symbols

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

Notes

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

3D110083A

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

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

Symbols

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

Notes

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

3D110085B

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

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

Symbols

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

Notes

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

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

Symbols

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

Notes

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

3D110086A

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

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

Symbols

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

Notes

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

3D110087B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

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

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

Symbols

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

Notes

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

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

Symbols

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

Notes

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

3D110089A

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

Symbols

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

Notes

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

3D110090A

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

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

Symbols

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

Notes

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

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

Symbols

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

Notes

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

3D110092B

FTXM20N / RXM20N9

AFR	11,1
BF	0,16

Cooling 220-240V 50Hz

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

Heating 220-240V 50Hz

AFR	10,4

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

Symbols

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

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

Notes

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

3D099850D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25N / RXM25N9

AFR	11,1
BF	0,21

Cooling 220-240V 50Hz

1	2	3																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	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

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

Symbols

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

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

Notes

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

3D120715

FTXM35N / RXM35N9

AFR	12,3
BF	0,21

Cooling 220-240V 50Hz

1	2	3																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	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

Symbols

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

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

Notes

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

3D120716

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

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

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

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

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

Symbols

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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
6. 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			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,10	3,76	0,19	4,82	3,63	0,31	4,55	3,51	0,80	4,38	3,45	1,66	4,26	3,38	1,75	4,09	3,26	1,88
16,0	22	6,31	4,18	0,20	6,04	4,05	0,33	5,76	3,93	0,81	5,64	3,87	1,67	5,47	3,80	1,76	5,30	3,68	1,88
18,0	25	6,70	4,39	0,20	6,42	4,26	0,34	6,14	4,14	0,82	6,02	4,08	1,67	5,86	4,00	1,77	5,58	3,88	1,89
19,0	27	6,84	4,59	0,22	6,56	4,46	0,34	6,28	4,34	0,82	6,17	4,29	1,69	6,00	4,22	1,77	5,72	4,10	1,89
22,0	30	7,25	4,41	0,22	6,97	4,30	0,34	6,70	4,20	0,83	6,59	4,15	1,70	6,42	4,08	1,78	6,13	3,98	1,90
24,0	32	7,52	4,28	0,22	7,25	4,18	0,34	6,97	4,08	0,83	6,86	4,04	1,70	6,70	3,98	1,79	6,41	3,88	1,92

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

AFR	17,7

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,33	1,24	4,01	1,31	4,68	1,38	6,29	1,81	7,24	1,90	7,87	1,97
20,0	3,13	1,29	3,80	1,35	4,48	1,41	6,05	1,85	7,00	1,94	7,63	2,01
22,0	3,04	1,30	3,72	1,37	4,39	1,43	5,95	1,86	6,90	1,95	7,53	2,02
24,0	2,97	1,31	3,63	1,38	4,31	1,45	5,85	1,87	6,81	1,98	7,43	2,03
25,0	2,92	1,33	3,60	1,38	4,27	1,45	5,80	1,89	6,76	1,98	7,39	2,05
27,0	2,84	1,34	3,51	1,39	4,19	1,46	5,71	1,90	6,66	2,01	7,29	2,06

Symbols

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

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
6. 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			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,56	2,00	0,46	2,44	1,95	0,50	2,33	1,89	0,55	2,28	1,87	0,56	2,21	1,84	0,59	2,10	1,78	0,64
16,0	22	2,68	1,97	0,46	2,56	1,92	0,51	2,44	1,87	0,55	2,40	1,84	0,57	2,33	1,81	0,59	2,21	1,76	0,64
18,0	25	2,79	2,08	0,46	2,68	2,03	0,51	2,56	1,98	0,55	2,51	1,96	0,57	2,44	1,93	0,60	2,33	1,89	0,64
19,0	27	2,85	2,21	0,47	2,73	2,16	0,51	2,62	2,11	0,55	2,57	2,09	0,57	2,50	2,07	0,60	2,38	2,02	0,64
22,0	30	3,02	2,13	0,47	2,91	2,09	0,51	2,79	2,05	0,56	2,74	2,03	0,58	2,67	2,01	0,60	2,56	1,97	0,65
24,0	32	3,14	2,08	0,47	3,02	2,04	0,52	2,90	2,01	0,56	2,86	1,99	0,58	2,79	1,97	0,60	2,67	1,93	0,65

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

AFR	8,8

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

Symbols

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

Notes

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

3D110093A

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	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,09	0,96	2,51	1,01	2,94	1,06	3,36	1,10	4,66	1,16	5,06	1,20
20,0	1,96	0,98	2,39	1,03	2,81	1,08	3,23	1,13	4,50	1,19	4,91	1,23
22,0	1,91	1,00	2,33	1,04	2,76	1,09	3,18	1,14	4,44	1,20	4,84	1,24
24,0	1,86	1,01	2,28	1,06	2,70	1,10	3,13	1,15	4,38	1,21	4,78	1,25
25,0	1,83	1,01	2,26	1,06	2,68	1,11	3,10	1,16	4,34	1,22	4,75	1,26
27,0	1,78	1,02	2,20	1,07	2,63	1,12	3,05	1,17	4,28	1,23	4,49	1,26

Symbols

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

Notes

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

3D110094A

FVXM50F / 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	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,29	3,24	1,35	3,78	1,42	4,33	1,48	6,00	1,56	6,52	1,61
20,0	2,53	1,32	3,07	1,39	3,62	1,45	4,16	1,52	5,80	1,60	6,32	1,65
22,0	2,46	1,34	3,01	1,40	3,55	1,47	4,10	1,53	5,72	1,61	6,24	1,66
24,0	2,40	1,35	2,94	1,42	3,49	1,48	4,03	1,55	5,64	1,63	5,79	1,68
25,0	2,36	1,36	2,91	1,42	3,45	1,49	4,00	1,55	5,57	1,63	5,57	1,69
27,0	2,30	1,37	2,84	1,44	3,39	1,50	3,93	1,57	5,13	1,65	5,13	1,70

Symbols

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

Notes

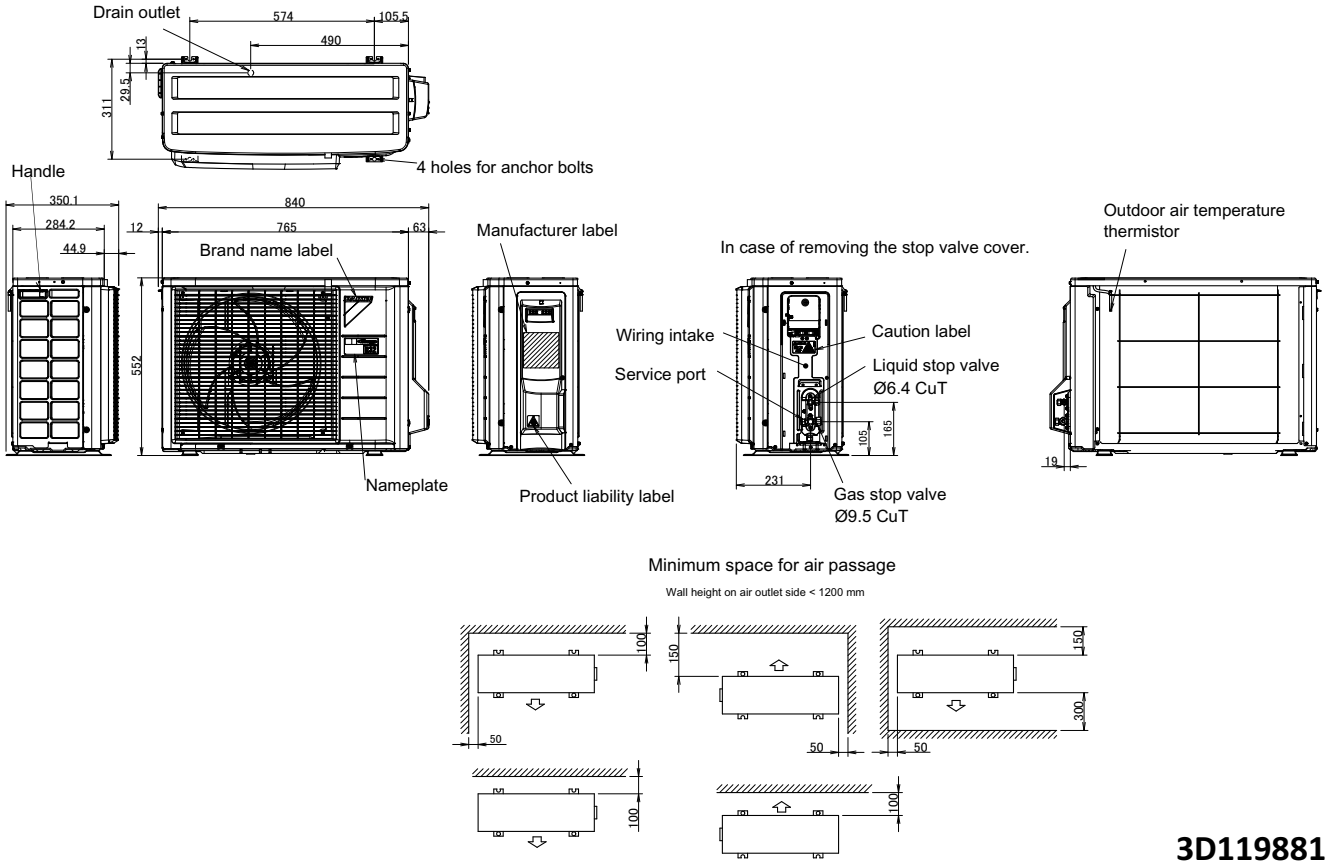
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. On the figure the □ mark shows the rated capacity and rated coefficient of the power input.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures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

3D110095B

5 Dimensional drawings

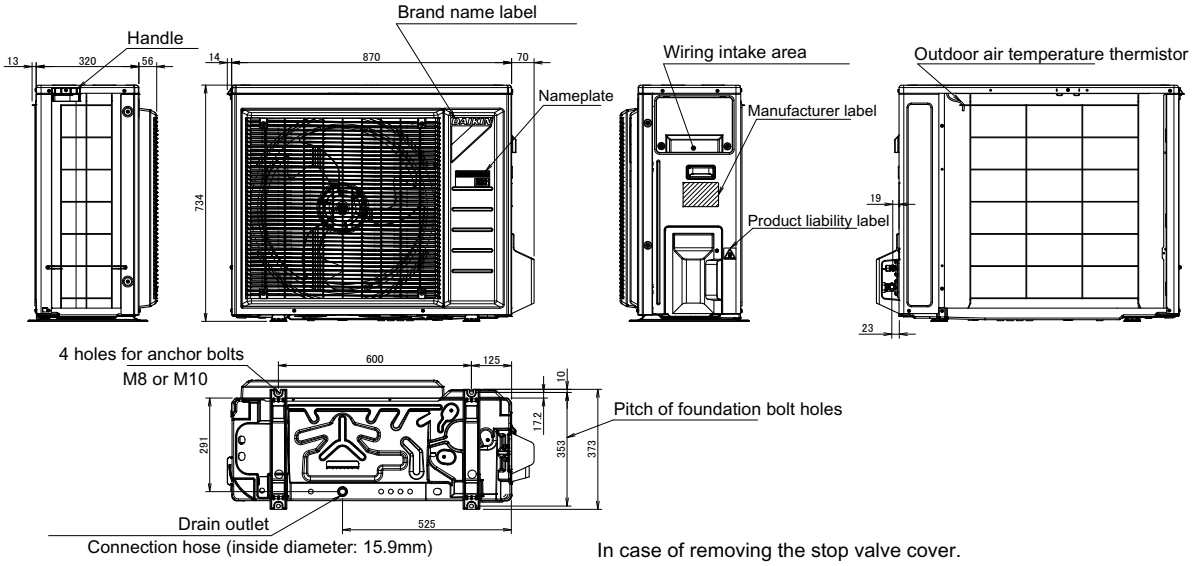
5 - 1 Dimensional Drawings

RXM20-35N9



3D119881

RXM42-60N9

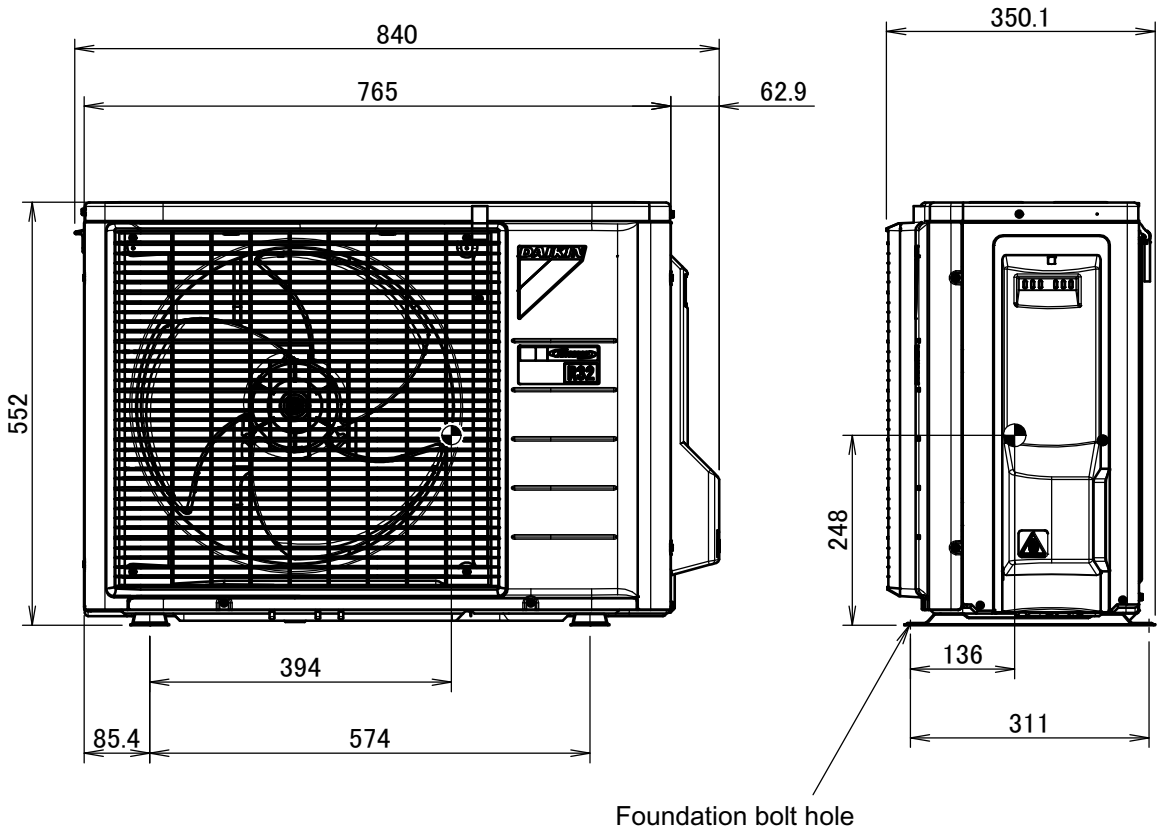


3D114108

6 Centre of gravity

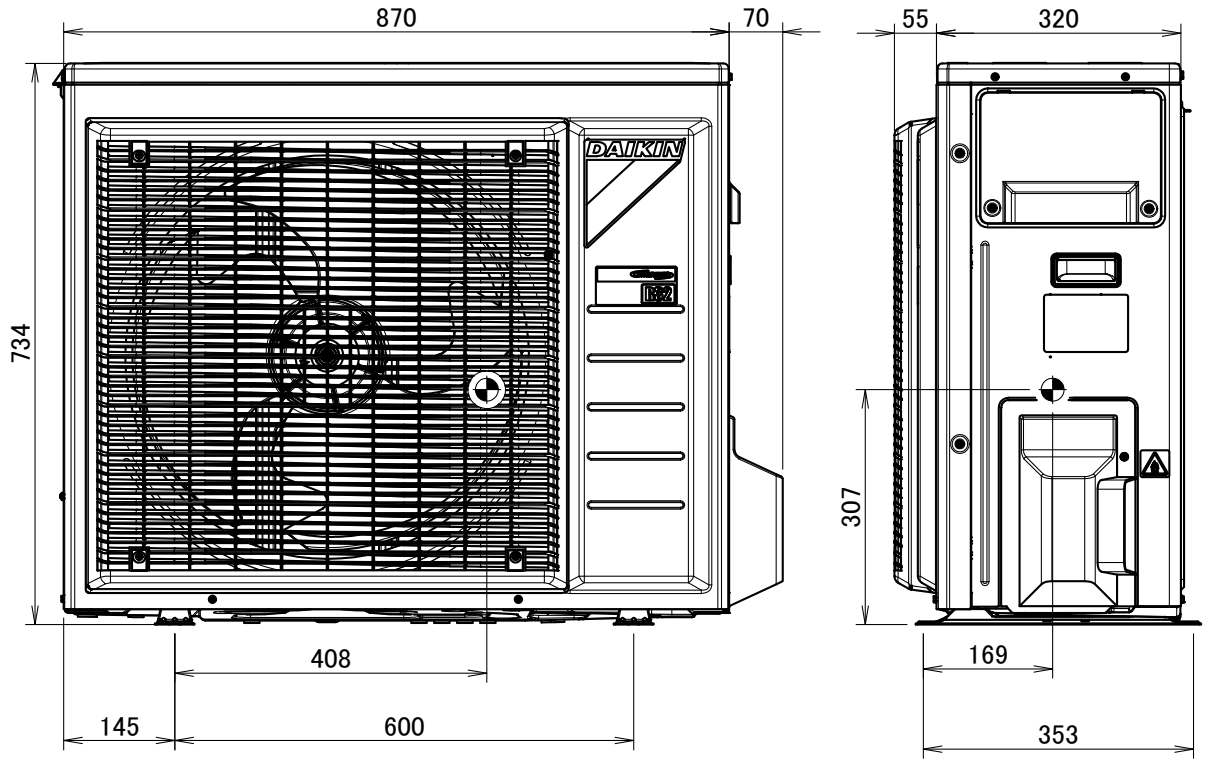
6 - 1 Centre of Gravity

RXM20-35N9



4D119880

RXM42- 60N9

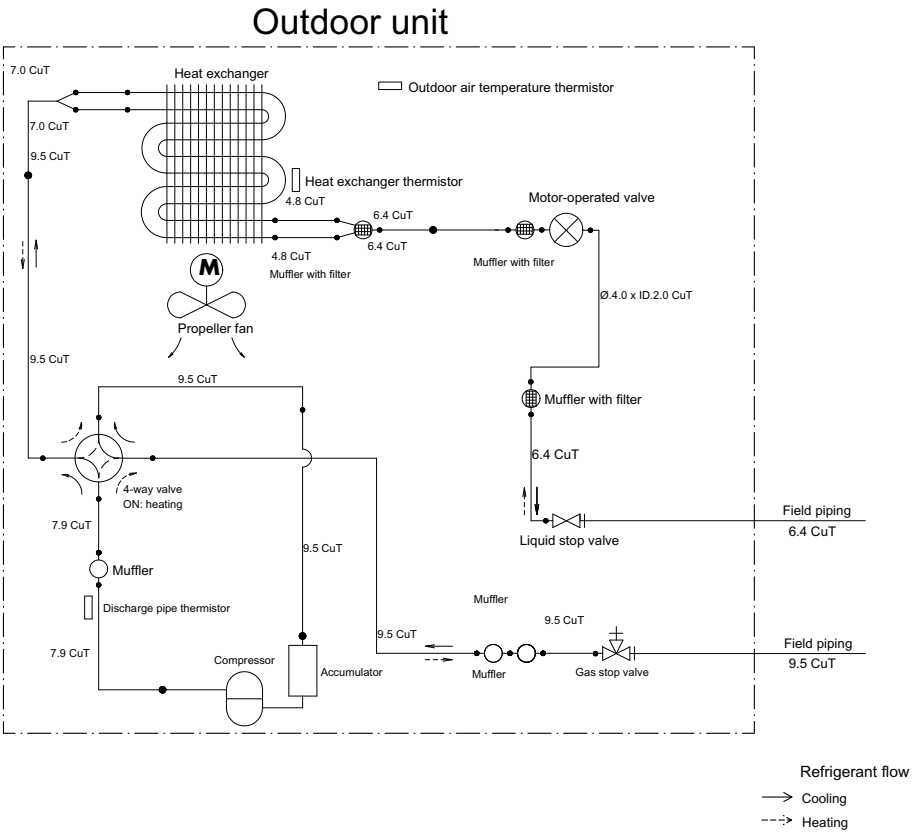


4D117299

7 Piping diagrams

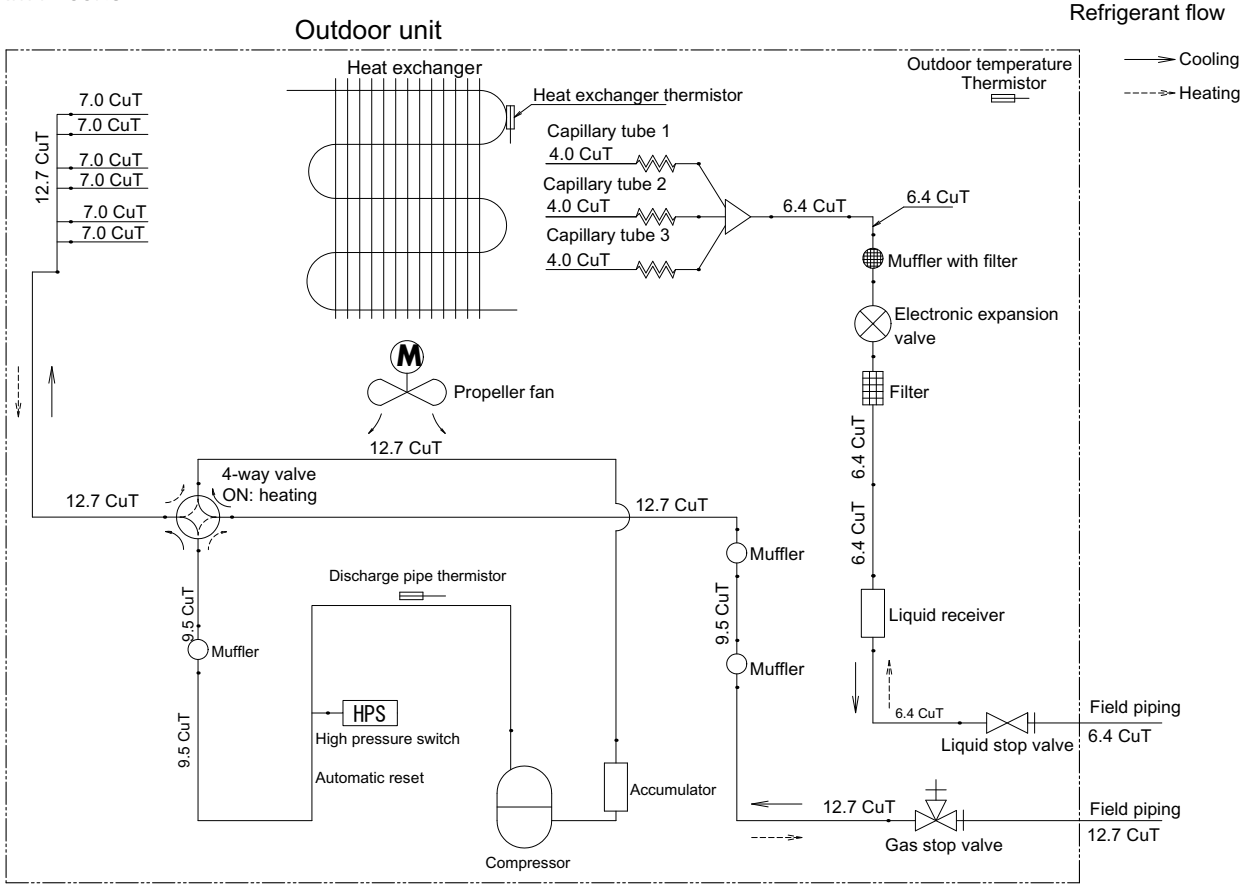
7 - 1 Piping Diagrams

RXM20-35N9



3D091995B

RXM42-60N9

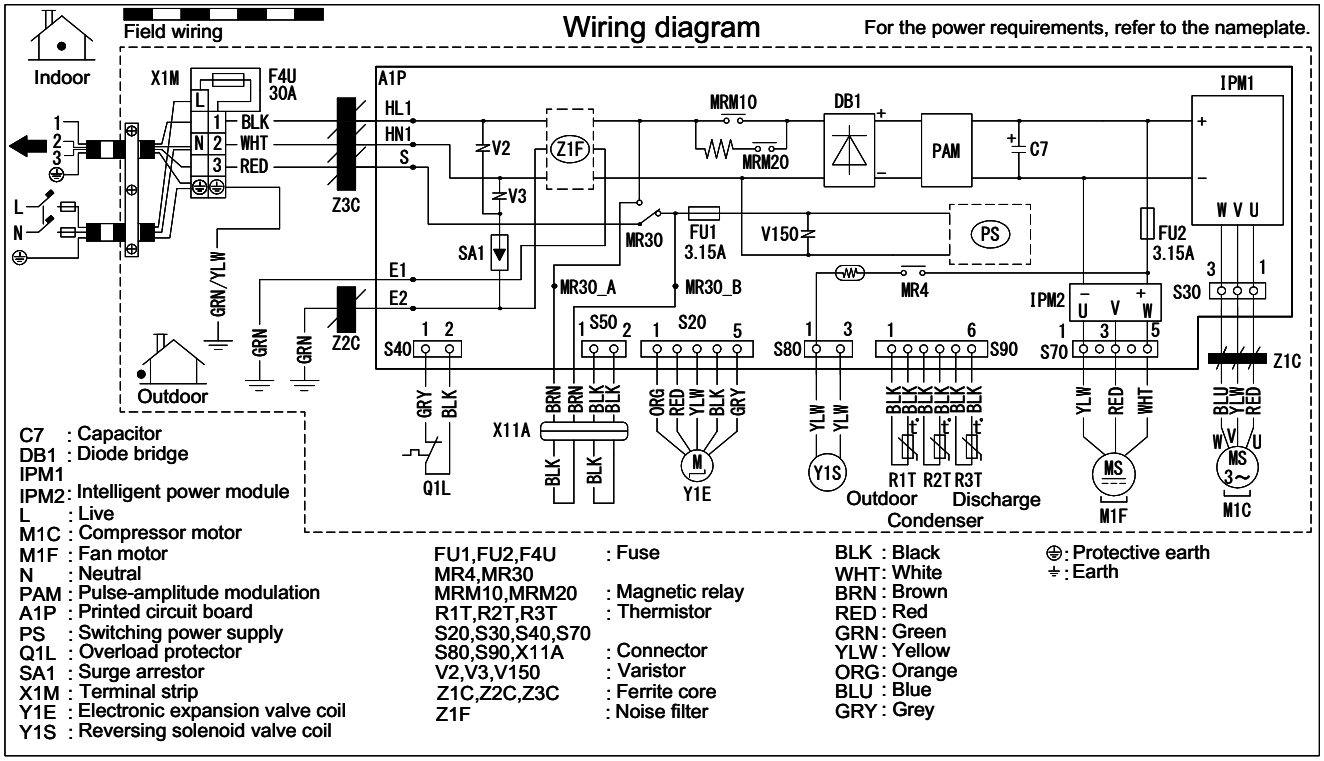


3D116829

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM20-35N9



Notes

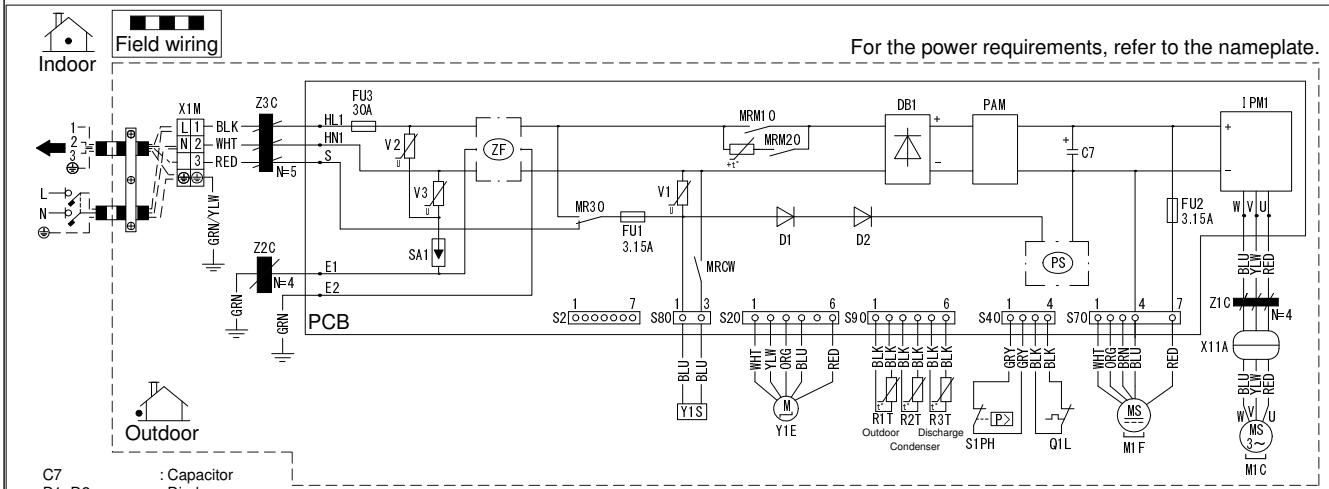
Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

4D120154

RXM42N9

Wiring diagram

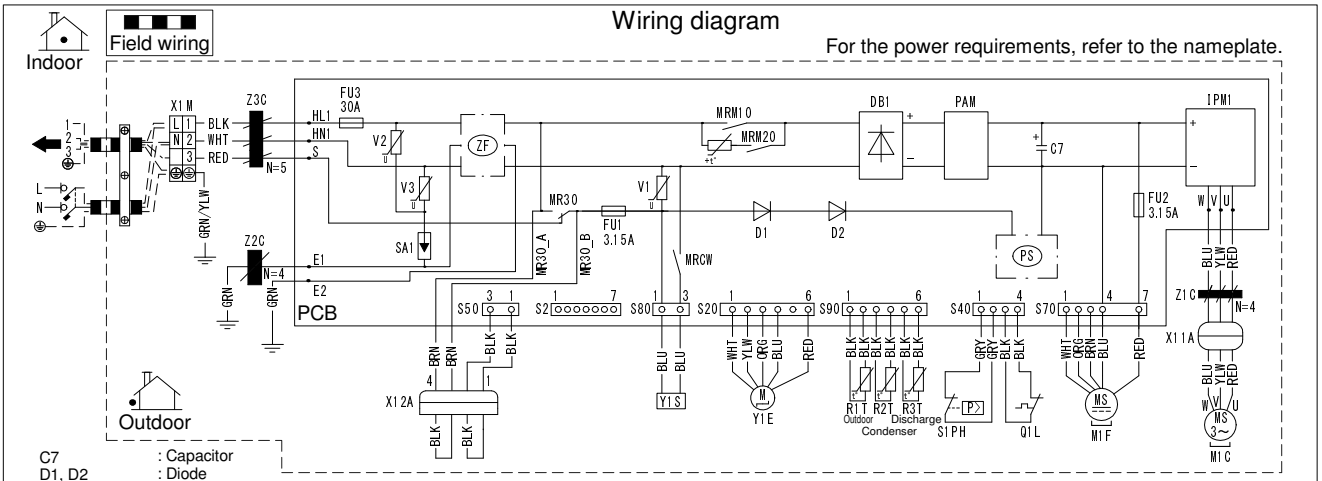


3D114452A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM50-60N9



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

Notes:

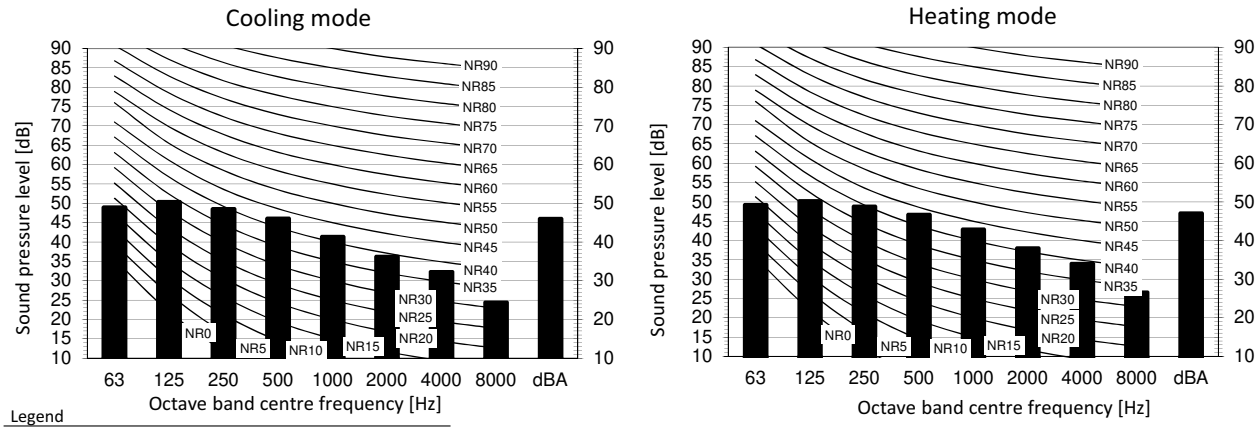
1. Size: 105 x 185
2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.

3D116492

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM20N9



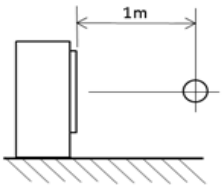
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB
A	B
dBA	46

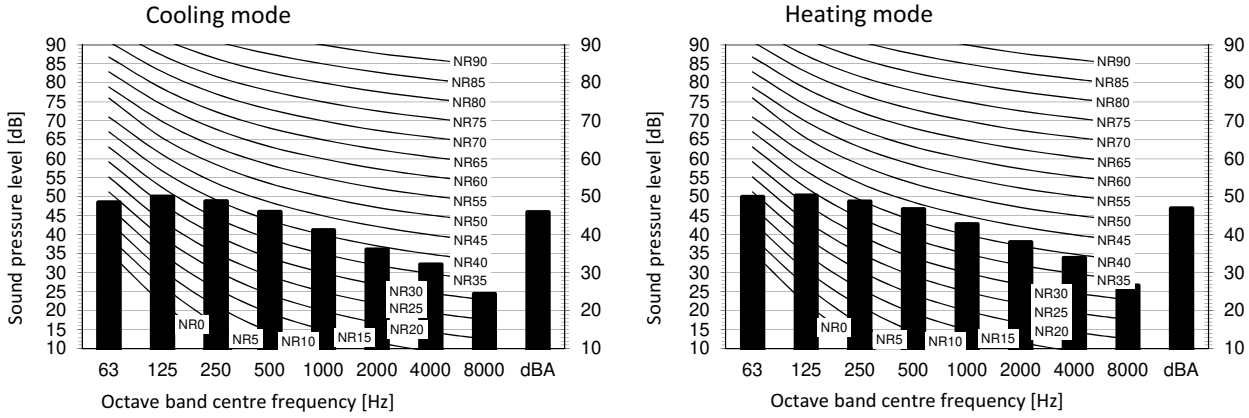
Heating	Total dB
A	B
dBA	47

Notes

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

3D110121A

RXM25N9



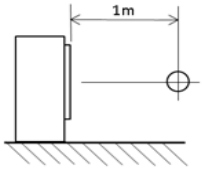
Legend

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

A Scale

B Fan speed: High

Location of microphone



Notes

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

Cooling	Total dB
A	B
dBA	46

Heating	Total dB
A	B
dBA	47

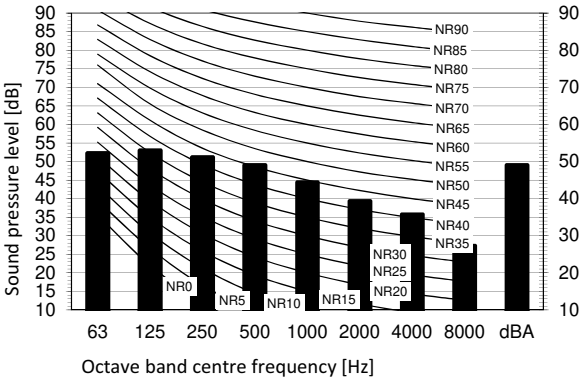
3D110122A

9 Sound data

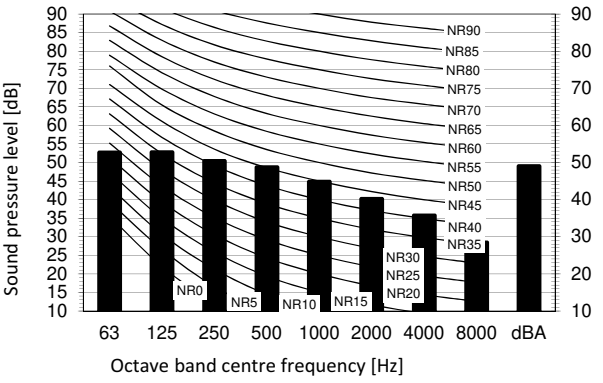
9 - 1 Sound Pressure Spectrum

RXM35N9

Cooling mode



Heating mode



Legend

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

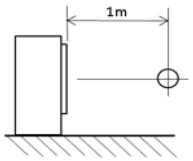
A Scale

B Fan speed: High

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

Location of microphone



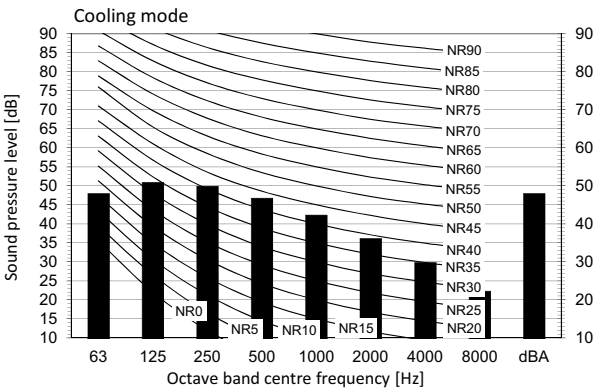
Cooling	Total dB
A	B
dBA	49

Heating	Total dB
A	B
dBA	49

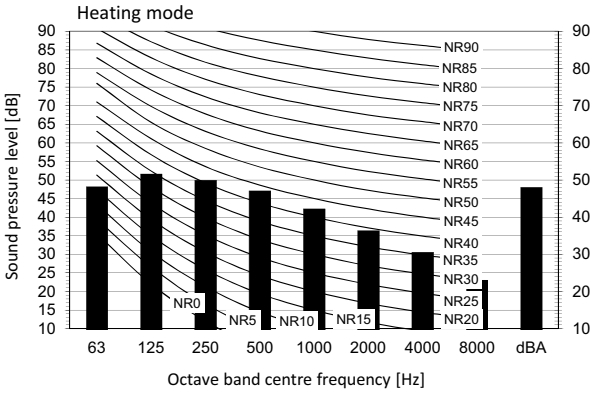
3D110123A

RXM42N9

Cooling mode



Heating mode



Legend

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

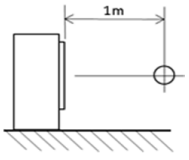
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48,0

Heating	Total dB
A	B
dBA	48,0

Location of microphone



Notes

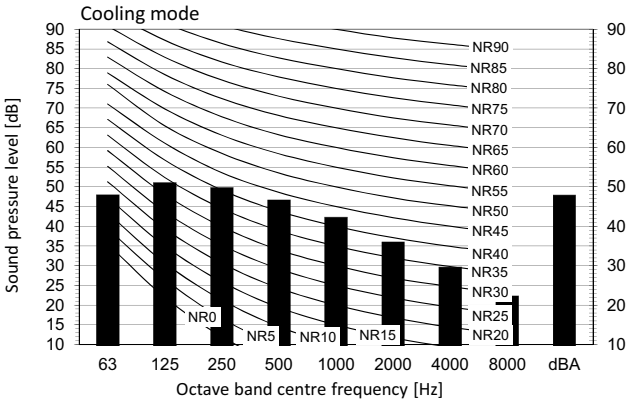
1 . Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2 . Background noise already taken into account.
3 . Operating noise varies depending on operation and ambient conditions.
4 . The operation noise measuring method is in accordance with JISC9612.
5 . Measuring location: anechoic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

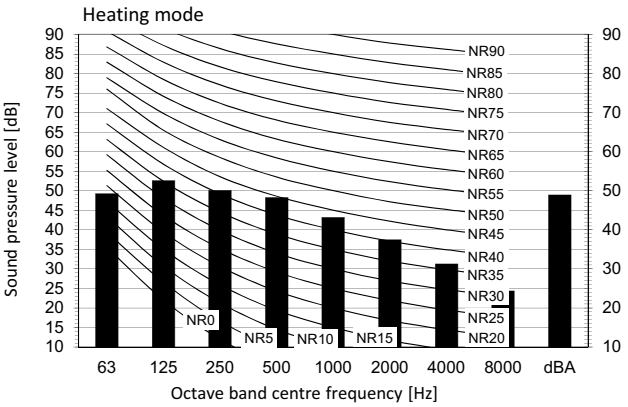
3D117529

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM50N9





Legend

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

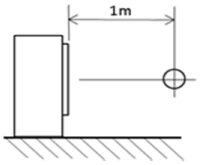
A Scale

B ■ Fan speed: High

Cooling	Total dB
A	B
dBA	48,0

Heating	Total dB
A	B
dBA	49,0

Location of microphone

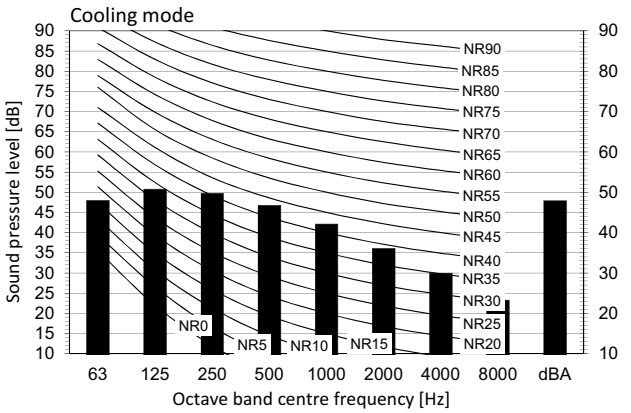


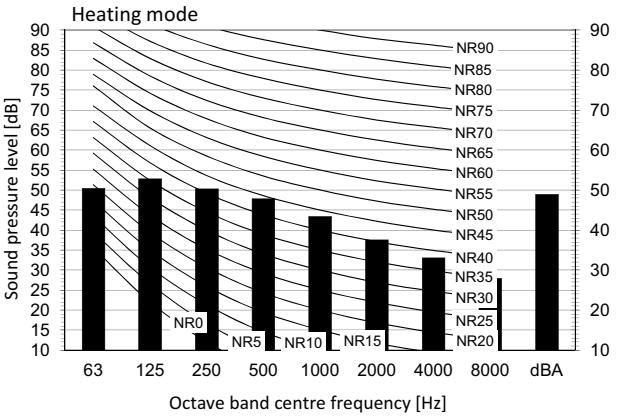
Notes

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).

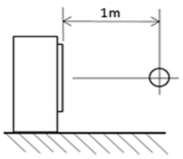
A Scale

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

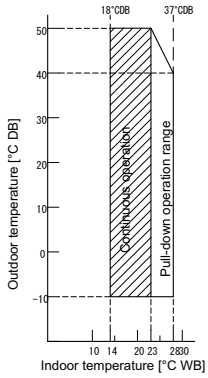
3D117530

10 Operation range

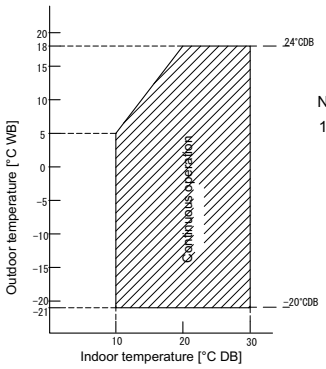
10 - 1 Operation Range

RXM-N9

Cooling



Heating

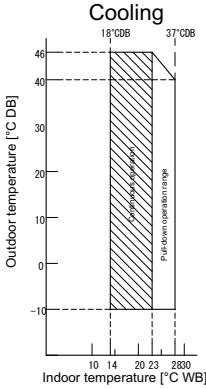


Notes

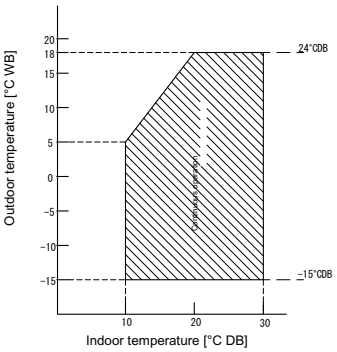
1. The graph is based on the following conditions.
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
   Air flow rate High

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

Cooling



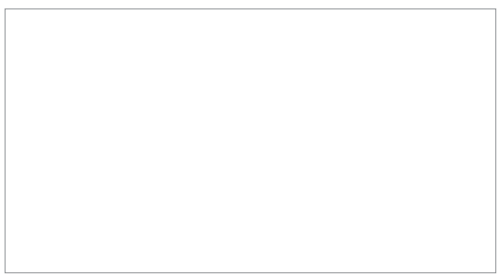
Heating



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

3D119882B

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



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