



Air Conditioning Technical Data RXM-R9



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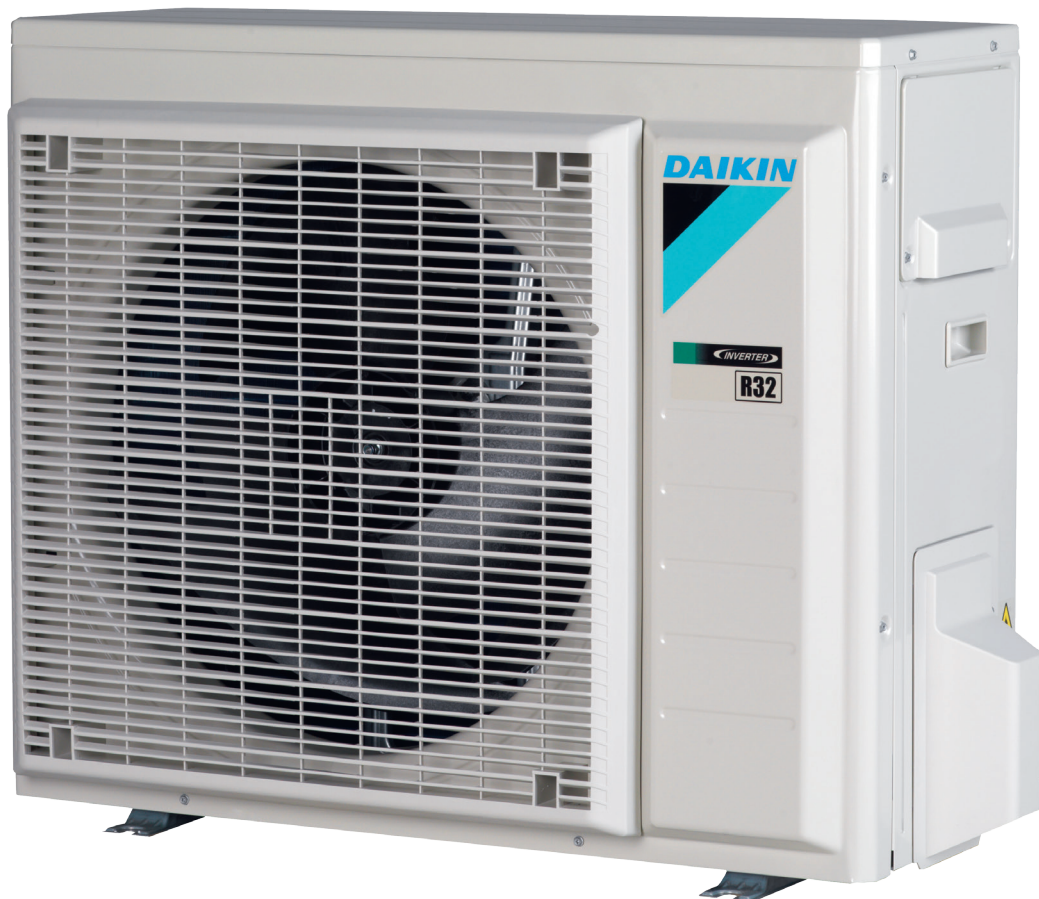
RXM-R9

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1 Features

1 - 1 RXM-R9

- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- › 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

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Outdoor
unit silent
operation

2 Specifications

1 - 1 RXM-R9

Technical specifications			FVXM25F + RXM25R9	FVXM35F + RXM35R9	
Indoor unit			FVXM25FV1B9	FVXM35FV1B9	
Outdoor unit			RXM25R5V1B9	RXM35R5V1B9	
Cooling capacity	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,435	4,776	
	Min.	kcal/h	1,117	1,203	
	Nom.	kW	2.50	3.50	
	Nom.	Btu/h	8,530	11,943	
	Nom.	kcal/h	2,150	3,009	
	Max.	kW	3.00	3.80	
	Max.	Btu/h	10,236	12,966	
	Max.	kcal/h	2,579	3,267	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h	-	-	
	Max.	kcal/h	-	-	
Heating capacity	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,435	4,776	
	Min.	kcal/h	1,117	1,203	
	Nom.	kW	3.40	4.50	
	Nom.	Btu/h	11,601	15,355	
	Nom.	kcal/h	2,923	3,869	
	Max.	kW	4.50	5.00	
	Max.	Btu/h	15,354	17,060	
	Max.	kcal/h	3,869	4,299	
Power input	Cooling Nom.	kW	0.60	1.09	
	Heating Nom.	kW	0.77	1.19	
Nominal efficiency	EER		4.20	3.21	
	COP		4.42	3.78	
	Annual energy consumption	kWh	298	545	
	Energy labeling Directive			A	
Space cooling	Energy efficiency class			A++	
	Capacity Pdesign	kW	2.50	3.50	
	SEER		7.20	6.43	
	Annual energy consumption	kWh/a	120	190	
Space heating (Average climate)	Capacity Pdesign	kW	2.40	2.90	
	Energy efficiency class			A+	
Space heating (Average climate)	SCOP/A		4.56	4.00	
	SCOPnet/A		4.59	4.03	
	Pdh Heating capacity at -10°	kW	2.23	2.40	
	Annual energy consumption	kWh/a	737	1,015	
Space heating (Warm climate)	Required back up heating cap at design conditions	kW	0.17	0.50	
	Capacity Pdesignh	kW	1.29	1.56	
	Energy efficiency class			A+++	
	SCOP		5.81	5.44	
	SCOPnet		5.93	5.52	
Space cooling	Annual energy consumption	kWh/a	311	402	
	Required back up heating cap at design conditions	kW		0.00	
	A Condi- tion (35°C - 27/19)	Pdc EERd	kW	2.50	3.50
				4.20	3.21
		Power input	kW	0.60	1.09
	B Condi- tion (30°C - 27/19)	Pdc EERd	kW	1.84	2.58
				6.36	4.75
		Power input	kW	0.29	0.54
	C Condi- tion (25°C - 27/19)	Pdc EERd	kW	1.17	1.68
				8.43	7.62
	Power input	kW	0.14	0.22	
Space cooling	D Condi- tion (20°C - 27/19)	Pdc EERd	kW	0.98	0.95
				11.48	11.50
		Power input	kW	0.09	0.08

2 Specifications

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Technical specifications					FVXM25F + RXM25R9		FVXM35F + RXM35R9	
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-15			
		Pdh (declared heating cap)	kW		2.09		2.12	
		COPd (declared COP)			2.24		1.94	
		Power input	kW		0.93		1.09	
	TBivalent	Tbiv (bivalent temperature) °C			-7			
		Pdh (declared heating cap)	kW		2.12		2.57	
		COPd (declared COP)			3.25		2.40	
		Power input	kW		0.65		1.07	
	A Con- dition (-7°C)	Pdh (declared heating cap)	kW		2.12		2.57	
		COPd (declared COP)			3.25		2.40	
Power input		kW		0.65		1.07		
B Condi- tion (2°C)	Pdh (declared heating cap)	kW		1.29		1.56		
	COPd (declared COP)			4.39		4.03		
	Power input	kW		0.29		0.39		
C Condi- tion (7°C)	Pdh (declared heating cap)	kW		0.83		1.03		
	COPd (declared COP)			5.79		5.11		
	Power input	kW		0.14		0.20		
D Con- dition (12°C)	Pdh (declared heating cap)	kW		0.78		1.08		
	COPd (declared COP)			7.27		7.24		
	Power input	kW		0.11		0.15		
Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C			-15			
		Pdh (declared heating cap)	kW		2.09		2.12	
		COPd (declared COP)			2.24		1.94	
		Power input	kW		0.93		1.09	
	TBivalent	Tbiv (bivalent temperature) °C			2			
		Pdh (declared heating cap)	kW		1.29		1.56	
		COPd (declared COP)			4.39		4.03	
		Power input	kW		0.29		0.39	
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW		1.29		1.56	
		COPd (declared COP)			4.39		4.03	
Power input		kW		0.29		0.39		
C Condi- tion (7°C)	Pdh (declared heating cap)	kW		0.83		1.03		
	COPd (declared COP)			5.79		5.11		
	Power input	kW		0.14		0.20		
D Con- dition (12°C)	Pdh (declared heating cap)	kW		0.78		1.08		
	COPd (declared COP)			7.27		7.24		
	Power input	kW		0.11		0.15		
Power consump- tion in other than active mode	Off mode	POFF	W		2.0			
	Standby mode	Cooling	PSB	W	2.0			
		Heating	PSB	W	2.0			
	Thermo- stat-off mode	PTO	Cooling	W	8.0			
			Heating	W	8.0			
Cooling	Cdc (Degradation cooling)			0.25				
Heating	Cdh (Degradation heating)			0.25				
Cooling function included				Yes				
Heating function included				Yes				
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	
		Cooling	Nom.	dBa		52		
Eurovent	Piping length	Cooling	Measuring condition	m	5.0			

See separate drawing for electrical data |

See separate drawing for operation range |

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

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

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Technical specifications			FVXM25A + RXM25R9	FVXM35A + RXM35R9	
Cooling capacity	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,400	4,800	
	Min.	kcal/h	1,118	1,204	
	Nom.	kW	2.40	3.40	
	Nom.	Btu/h	8,200	11,600	
	Nom.	kcal/h	2,064	2,923	
	Max.	kW	3.50	4.00	
	Max.	Btu/h	11,900	13,600	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,400	4,800	
	Min.	kcal/h	1,118	1,204	
	Nom.	kW	2.40	3.40	
	Nom.	Btu/h	8,200	11,600	
	Nom.	kcal/h	2,064	2,923	
	Max.	kW	3.50	4.00	
	Max.	Btu/h	11,900	13,600	
Heating capacity	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,400	4,800	
	Min.	kcal/h	1,100	1,200	
	Nom.	kW	3.40	4.50	
	Nom.	Btu/h	11,600	15,400	
	Nom.	kcal/h	2,923	3,869	
	Max.	kW	4.70	5.80	
	Max.	Btu/h	16,000	19,800	
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	1.30 / 1,100	1.40 / 1,200	
	Min.	Btu/h	4,400	4,800	
	Nom.	kW	3.40	4.50	
	Nom.	Btu/h	11,600	15,400	
	Nom.	kcal/h	2,923	3,869	
	Max.	kW	4.70	5.80	
	Max.	Btu/h	16,000	19,800	
	Max.	kcal/h	4,041	4,987	
Power input	Cooling	Nom.	kW	0.54	0.85
	Heating	Nom.	kW	0.75	1.15
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Min.	kW	0.54	0.85
	Heating	Min.	kW	0.75	1.15
Nominal efficiency	EER		4.47	4.01	
	COP		4.55	3.90	
	Annual energy consumption	kWh	268	424	
	Energy labeling Directive	Cooling Heating		A A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER		4.47	4.01	
	COP		4.55	3.90	
	Annual energy consumption	kWh	268	424	
	Space cooling	Energy efficiency class		A+++	A++
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity Pdesign	kW	2.40	3.40	
	SEER		8.55	8.11	
	Annual energy consumption	kWh/a	98	147	
	Capacity Pdesign	kW	2.40	3.40	
Space heating (Average climate)	SEER		8.55	8.11	
	Annual energy consumption	kWh/a	98	147	
	Capacity Pdesign	kW	2.30	2.80	
	Energy efficiency class			A++	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOP/A		4.65	4.63	
	SCOPnet/A		4.68	4.67	
	Pdh Heating capacity at -10°	kW	2.03	2.34	
	Annual energy consumption	kWh/a	693	847	
	Required back up heating cap at design conditions	kW	0.27	0.46	
	Capacity Pdesign	kW	2.30	2.80	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOP/A		4.60	4.64	
	SCOPnet/A		4.63	4.64	
	Pdh Heating capacity at -10°	kW	2.03	2.34	
	Annual energy consumption	kWh/a	701	853	
	Required back up heating cap at design conditions	kW	0.27	0.46	
	Capacity Pdesign	kW	2.30	2.80	

2 Specifications

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

2 Specifications

1 - 1 RXM-R9

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

2 Specifications

1 - 1 RXM-R9

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Technical specifications					FVXM25A + RXM25R9	FVXM35A + RXM35R9
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59	61
	Sound power level indoor	Cooling	Nom.	dB(A)	52	53
	Piping length	Cooling	Measuring condition	m	5.00	

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FTXM20R + RXM20R9	FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
Cooling capacity	Min.		kW	1.30		1.40	
	Min.		Btu/h	4,400		4,800	
	Min.		kcal/h	1,118		1,204	
	Nom.		kW	2.00		2.50	3.40
	Nom.		Btu/h	6,800		8,500	11,600
	Nom.		kcal/h	1,720		2,150	2,923
	Max.		kW	2.60		3.20	4.00
	Max.		Btu/h	8,900		10,900	13,600
	Max.		kcal/h	2,236		2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30		1.40	
	Min.		Btu/h	4,400		4,800	
	Min.		kcal/h	1,118		1,204	
	Nom.		kW	2.00		2.50	3.40
	Nom.		Btu/h	6,800		8,500	11,600
	Nom.		kcal/h	1,720		2,150	2,923
	Max.		kW	2.60		-	-
	Max.		Btu/h	8,900		-	-
	Max.		kcal/h	2,236		-	-
Heating capacity	Min.		kW	1.30		1.40	
	Min.		Btu/h	4,400		4,800	
	Min.		kcal/h	1,100		1,200	
	Nom.		kW	2.50		2.80	4.00
	Nom.		Btu/h	8,500		9,600	13,600
	Nom.		kcal/h	2,150		2,408	3,439
	Max.		kW	3.50		4.70	5.20
	Max.		Btu/h	11,900		16,000	17,700
	Max.		kcal/h	3,009		4,041	4,471
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.30 /1,100		1.40 /1,200	
	Min.		Btu/h	4,400		4,800	
	Nom.		kW	2.50		2.80	4.00
	Nom.		Btu/h	8,500		9,600	13,600
	Nom.		kcal/h	2,150		2,408	3,439
	Max.		kW	3.50		-	-
	Max.		Btu/h	11,900		-	-
	Max.		kcal/h	3,009		-	-
	Power input	Cooling	Nom.	kW	0.44		0.56
Heating		Nom.	kW	0.50		0.56	0.99
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.44		0.56	0.80
	Heating	Nom.	kW	0.50		0.56	0.99
Nominal efficiency	EER			4.57		4.50	4.23
	COP			5.00			4.04
	Annual energy consumption		kWh	219		278	402
	Energy labeling Directive	Cooling				A	
	Heating				A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.57		4.50	4.23
	COP			5.00			4.04
	Annual energy consumption		kWh	219		278	402
	Energy efficiency class					A+++	
Space cooling	Capacity Pdesign		kW	2.00		2.50	3.40
	SEER			8.65			
	Annual energy consumption		kWh/a	81		101	137
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity Pdesign		kW	2.00		2.50	3.40
	SEER			8.65			
	Annual energy consumption		kWh/a	81		101	137

2 Specifications

1 - 1 RXM-R9

Technical specifications			FTXM20R + RXM20R9	FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9	
Space heating (Average climate)	Capacity Pdesign	kW	2.30		2.40	2.50	
	Energy efficiency class		A+++				
	SCOP/A		5.10				
	SCOPnet/A		5.13		5.14		
	Pdh Heating capacity at -10°	kW	2.24		2.30	2.35	
	Annual energy consumption	kWh/a	631		659	686	
	Required back up heating cap at design conditions	kW	0.06		0.10	0.15	
Space heating (Average climate)	Capacity Pdesign	kW	2.30		2.40	2.50	
	SCOP/A		4.90				
	SCOPnet/A		4.94				
	Pdh Heating capacity at -10°	kW	2.24		2.30	2.35	
	Annual energy consumption	kWh/a	657		682	709	
	Required back up heating cap at design conditions	kW	0.06		0.10	0.15	
	Space heating (Warm climate)	Capacity Pdesignh	kW	1.24		1.30	1.35
Energy efficiency class			A+++				
SCOP			6.19				
SCOPnet			6.32				
Annual energy consumption		kWh/a	279	280	296	306	
Required back up heating cap at design conditions		kW	0.00				
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)		Capacity Pdesign	kW	1.24		1.30	1.35
	SCOP		6.17				
	SCOPnet		6.29				
	Annual energy consumption	kWh/a	281		297	307	
	Required back up heating cap at design conditions	kW	0.00				
Space cooling	A Condi- Pdc	kW	2.00		2.50	3.40	
	tion (35°C EERd		4.57				
	- 27/19) Power input	kW	0.44		0.56	0.80	
	B Condi- Pdc	kW	1.48		1.85	2.51	
	tion (30°C EERd		6.73				
	- 27/19) Power input	kW	0.22		0.28	0.40	
	C Condi- Pdc	kW	1.10		1.19	1.62	
	tion (25°C EERd		10.52				
	- 27/19) Power input	kW	0.10		0.12	0.16	
	D Condi- Pdc	kW	1.05		1.17	1.04	
	tion (20°C EERd		16.53				
	- 27/19) Power input	kW	0.06		0.07	0.06	
	Space cooling - Low sound mode (Stb. 2020, 189)	A Condi- Pdc	kW	2.00		2.50	3.40
		tion (35°C EERd		4.57			
		- 27/19) Power input	kW	0.44		0.56	0.80
B Condi- Pdc		kW	1.48		1.85	2.51	
tion (30°C EERd			6.73				
- 27/19) Power input		kW	0.22		0.28	0.40	
C Condi- Pdc		kW	1.10		1.19	1.62	
tion (25°C EERd			10.52				
- 27/19) Power input		kW	0.10		0.12	0.16	
D Condi- Pdc		kW	1.05		1.17	1.04	
tion (20°C EERd			16.53				
- 27/19) Power input		kW	0.06		0.07	0.06	
Space heating (Average climate)		TOL Tol (temperature operating limit)	°C	-20			
		Pdh (declared heating cap)	kW	2.14			
		COPd (declared COP)		2.29		2.50	
	Power input	kW	0.93		0.86		
	TBivalent Tbiv (bivalent temperature)	°C	-7				
	Pdh (declared heating cap)	kW	2.04		2.13	2.22	
	COPd (declared COP)		3.51		3.60	3.55	
	Power input	kW	0.58		0.59	0.63	

2 Specifications

1 - 1 RXM-R9

2

Technical specifications				FTXM20R + RXM20R9	FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
Space heating (Average climate)	A Con- dition	Pdh (declared heating cap)	kW	2.04		2.13	2.22
		COPd (declared COP)		3.51		3.60	3.55
		Power input	kW	0.58		0.59	0.63
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.24		1.30	1.35
		COPd (declared COP)		5.16		5.14	5.11
		Power input	kW	0.24		0.25	0.26
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	0.96		0.94	0.93
		COPd (declared COP)		6.34		6.26	6.25
		Power input	kW		0.15		
D Con- dition (12°C)	Pdh (declared heating cap)	kW	0.99			1.08	
	COPd (declared COP)		7.99		7.85	7.72	
	Power input	kW	0.12			0.14	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C		-20		
		Pdh (declared heating cap)	kW		2.14		
		COPd (declared COP)		2.11		2.14	2.30
	TBivalent	Power input	kW	1.01		1.00	0.93
		Tbiv (bivalent temperature)	°C		-7		
		Pdh (declared heating cap)	kW	2.04		2.13	2.22
	A Con- dition (-7°C)	COPd (declared COP)		3.25		3.32	3.29
		Power input	kW	0.63		0.64	0.67
		Pdh (declared heating cap)	kW	2.04		2.13	2.22
	B Condi- tion (2°C)	COPd (declared COP)		3.25		3.32	3.29
		Power input	kW	0.63		0.64	0.67
		Pdh (declared heating cap)	kW	1.24		1.30	1.35
	C Condi- tion (7°C)	COPd (declared COP)		4.91		4.94	4.92
		Power input	kW	0.25		0.26	0.27
		Pdh (declared heating cap)	kW	0.96		0.94	0.93
D Con- dition (12°C)	COPd (declared COP)		6.34		6.26	6.25	
	Power input	kW		0.15			
	Pdh (declared heating cap)	kW	0.99			1.08	
Space heating (Warm climate)	TOL	COPd (declared COP)		7.99		7.85	7.72
		Power input	kW	0.12			0.14
		Tol (temperature operating limit)	°C		-20		
	TBivalent	Pdh (declared heating cap)	kW		2.14		
		COPd (declared COP)			2.29		2.50
		Power input	kW		0.93		0.86
	TBivalent	Tbiv (bivalent temperature)	°C		2		
		Pdh (declared heating cap)	kW	1.24		1.30	1.35
		COPd (declared COP)		5.16		5.14	5.11
	B Condi- tion (2°C)	Power input	kW	0.24		0.25	0.26
		Pdh (declared heating cap)	kW	1.24		1.29	1.35
		COPd (declared COP)		5.16		5.14	5.11
	C Condi- tion (7°C)	Power input	kW	0.24		0.25	0.26
		Pdh (declared heating cap)	kW	0.96		0.94	0.93
		COPd (declared COP)		6.34		6.26	6.25
D Con- dition (12°C)	Power input	kW		0.15			
	Pdh (declared heating cap)	kW	0.99			1.08	
	COPd (declared COP)		7.99		7.85	7.72	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Power input	kW	0.12			0.14
		Tol (temperature operating limit)	°C		-20		
		Pdh (declared heating cap)	kW		2.14		
	TBivalent	COPd (declared COP)		2.11		2.14	2.30
		Power input	kW	1.01		1.00	0.93
		Tbiv (bivalent temperature)	°C	2.0		2	
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.24		1.30	1.35
		COPd (declared COP)		4.91		4.94	4.92
		Power input	kW	0.25		0.26	0.27
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	1.24		1.30	1.35
		COPd (declared COP)		4.91		4.94	4.92
		Power input	kW	0.25		0.26	0.27
	D Con- dition (12°C)	Pdh (declared heating cap)	kW	0.96		0.94	0.93
		COPd (declared COP)		6.34		6.26	6.25
		Power input	kW		0.15		
D Con- dition (12°C)	Pdh (declared heating cap)	kW	0.99			1.08	
	Power input	kW	0.12			0.14	
	COPd (declared COP)		7.99		7.85	7.72	

2 Specifications

1 - 1 RXM-R9

Technical specifications					FTXM20R + RXM20R9	FTXM20R + RXM20R9	FTXM25R + RXM25R9	FTXM35R + RXM35R9
Power consumption in other than active mode	Off mode	POFF		W	1			
	Standby mode	Cooling	PSB	W	1			
		Heating	PSB	W	1			
	Thermostat-off mode	PTO	Cooling	W	6			
Heating			W	7				
Cooling	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	59		58	61
		Heating	Nom.	dBa	57			58
	Piping length	Cooling	Measuring condition	m	5.00			

See separate drawing for operation range |
See separate drawing for electrical data |

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |
Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Technical Specifications					RXM25R9	RXM35R9	RXM20R9	
Casing	Colour				Ivory white			
Dimensions	Unit	Height		mm	552			
		Width		mm	840			
		Depth		mm	350			
	Packed unit	Height		mm	612			
		Width		mm	906			
		Depth		mm	402			
Weight	Unit			kg	32			
	Packed unit			kg	34			
Heat exchanger	Length				mm			805
	Rows	Quantity						2
	Fin pitch				mm			1.4
	Stages	Quantity						24
	Passes	Quantity						3.1
	Tube type							ø7 Hi-XD
	Fin	Type						Waffle fin (PE)
	Fan	Type						
Air flow rate		Cooling	Nom.	m ³ /min	28.3			36.0
				cfm	999			1,271
	Heating	Nom.	m ³ /min			28.3		
			cfm			999		
Fan motor	Model				DFC05A3VA			
	Output				W			50
	Speed	Cooling	High		rpm	860	920	
			Nom.		rpm	800	860	800
Low				rpm	400			
	Heating	High		rpm	860			
Nom.			rpm	800				
Low			rpm	400				
Compressor	Model				1YC25GXD#D			
	Oil Amount				cm ³			375
	Type							Hermetically sealed swing compressor
	Output				W			800
	Oil Type							FW68DA
Operation range	Cooling	Ambient	Min.	°CDB				-10
			Max.	°CDB				50 (1) / 46 (2)
Operation range	Heating	Ambient	Min.	°CDB				-20 (1) / -15 (2)
			Max.	°CDB				24
Sound power level	Cooling	Max		dBa	60	61	60	
		Night quiet mode		dBa	57			
	Heating	Max		dBa	60	61	60	
		Nom.		dBa	59.0	61.0	59.0	
		Night quiet mode		dBa	57			

2 Specifications

1 - 1 RXM-R9

2

Technical Specifications					RXM25R9	RXM35R9	RXM20R9
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dBa	59.0	60.0	59.0	
		Night quiet mode	dBa		55.0		
	Heating	Max.	dBa	59.0	60.0	59.0	
		Night quiet mode	dBa		55.0		
Sound pressure level	Cooling	Nom.	dBa	46.0	49.0	46.0	
	Heating	Nom.	dBa	47.0	49.0	47.0	
Refrigerant	Type				R-32		
	Charge			kg	0.76		
	Charge			TCO ₂ Eq	0.52		
	Control				Expansion valve		
	GWP				675		
Piping connections	Liquid	OD	mm		6.35		
		Gas	OD	mm		9.50	
	Drain	OD	mm		18		
		Piping length	OU - IU	Max.	m	20	
	System Chargeless			m	10		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15		
	Heat insulation				Both liquid and gas pipes		
Capacity control	Method			Variable (inverter)			

Technical Specifications					RXM35R9	RXM25R9
Casing	Colour				Ivory white	
Dimensions	Unit	Height	mm	552		
		Width	mm	840		
		Depth	mm	350		
	Packed unit	Height	mm	612		
		Width	mm	906		
		Depth	mm	402		
Weight	Unit			kg	32	
	Packed unit			kg	34	
Heat exchanger	Length			mm	805	
	Rows	Quantity			2	
		Fin pitch			mm	1.4
	Stages	Quantity			24	
		Passes			Quantity	3.1
	Tube type				ø7 Hi-XD	
	Fin Type				Waffle fin (PE)	
	Fan	Type				Propeller fan
Air flow rate		Cooling	Nom.	m ³ /min	36.0	28.3
				cfm	1,271	999
	Heating	Nom.	m ³ /min	28.3	999	
Fan motor	Model				DFC05A3VA	
	Output				W	
	Speed	Cooling	High	rpm	920	860
			Nom.	rpm	860	800
		Heating	Low	rpm	400	
			High	rpm	860	
		Nom.	rpm	800		
		Low	rpm	400		
Compressor	Model				1YC25GXD#D	
	Oil Amount				cm ³	
	Type				Hermetically sealed swing compressor	
	Output				W	
	Oil Type				FW68DA	
Operation range	Cooling	Ambient	Min.	°CDB	-10	
			Max.	°CDB	50 (1) / 46 (2)	
Operation range	Heating	Ambient	Min.	°CDB	-20 (1) / -15 (2)	
			Max.	°CDB	24	
Sound power level	Cooling	Max	dBa	61	60	
		Night quiet mode	dBa		57	
	Heating	Max	dBa	61	60	
		Nom.	dBa	61.0	59.0	
		Night quiet mode	dBa		57	
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dBa	60.0	59.0	
		Night quiet mode	dBa		55.0	
	Heating	Max.	dBa	60.0	59.0	
		Night quiet mode	dBa		55.0	
Sound pressure level	Cooling	Nom.	dBa	49.0	46.0	
	Heating	Nom.	dBa	49.0	47.0	

2 Specifications

1 - 1 RXM-R9

Technical Specifications				RXM35R9	RXM25R9	
Refrigerant	Type			R-32		
	Charge	kg			0.76	
	Charge	TCO2Eq			0.52	
	Control			Expansion valve		
	GWP			675		
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.50		
	Drain	OD	mm	18		
	Piping length	OU - IU	Max.	m	20	
		System	Chargeless	m	10	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
	Heat insulation			Both liquid and gas pipes		
Capacity control	Method		Variable (inverter)			

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: General safety precautions; Quantity: 1;

Electrical Specifications				RXM25R9	RXM35R9	RXM20R9	
Power supply	Phase			1~			
	Frequency	Hz			50		
	Voltage	V			220-240		
Wiring connections	For power supply	Quantity			3		
		Remark			Earth wire included		
	For connection with indoor	Quantity			4		
		Remark			Earth wire included		
Current - 50Hz	Maximum fuse amps (MFA)	A			13	10	

Electrical Specifications				RXM35R9	RXM25R9	
Power supply	Phase			1~		
	Frequency	Hz			50	
	Voltage	V			220-240	
Wiring connections	For power supply	Quantity			3	
		Remark			Earth wire included	
	For connection with indoor	Quantity			4	
		Remark			Earth wire included	
Current - 50Hz	Maximum fuse amps (MFA)	A			13	

(1)Only possible in combination with ATXM*N2V1B, FTXM*N2V1B, ATXM*R2V1B, ATXM*R5V1B, FTXM*R2V1B, FTXM*R5V1B |

(2)Only possible in combination with ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9,FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A2V1B |

Contains fluorinated greenhouse gases |

See separate drawing for operation range |

See separate drawings for electrical data

Technical specifications				FBA35A9 + RXM35R9
Cooling capacity	Nom.	kW		3.40
	Nom.	Btu/h		11,600
	Nom.	kcal/h		2,923
Heating capacity	Nom.	kW		4.00
	Nom.	Btu/h		13,600
	Nom.	kcal/h		3,439
Power input	Cooling	Nom.	kW	0.85
	Heating	Nom.	kW	1.00
Nominal efficiency	EER			4.02
	COP			4.02
	Annual energy consumption	kWh		423
	Energy labeling	Cooling		A
	Directive	Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.40
	SEER			6.23
	Annual energy consumption	kWh/a		191

2 Specifications

1 - 1 RXM-R9

2

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

2 Specifications

1 - 1 RXM-R9

Technical specifications				FBA35A9 + RXM35R9
Space heating (Warm climate)	TOL	Power input	kW	0.91
	TBivalent	Tbiv (bivalent temperature)	°C	2
		Pdh (declared heating cap)	kW	1.57
		COPd (declared COP)		4.03
		Power input	kW	0.39
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.57
		COPd (declared COP)		4.03
		Power input	kW	0.39
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	1.02
		COPd (declared COP)		5.18
Power input		kW	0.20	
D Con- dition (12°C)	Pdh (declared heating cap)	kW	1.19	
	COPd (declared COP)		6.38	
	Power input	kW	0.19	
Cooling	Cdc (Degradation cooling)		0.25	
Heating	Cdh (Degradation heating)		0.25	
Cooling function included				Yes
Heating function included				Yes
Average climate included				Yes
Cold season included				No
Warm season included				Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	61
		Cooling	Nom.	60
	Piping length	Cooling	Measuring con- dition	m

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FCAG35B + RXM35R9
Cooling capacity	Nom.		kW	3.50
	Nom.		Btu/h	11,900
	Nom.		kcal/h	3,009
Heating capacity	Nom.		kW	4.20
	Nom.		Btu/h	14,300
	Nom.		kcal/h	3,611
Power input	Cooling	Nom.	kW	0.94
	Heating	Nom.	kW	1.11
Nominal efficiency	EER			3.72
	COP			3.77
	Annual energy consumption		kWh	470
	Energy labeling	Cooling		A
	Energy labeling	Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.50
	SEER			6.35
	Annual energy consumption		kWh/a	193
Space heating (Average climate)	Energy efficiency class			A++
	Capacity	Pdesign	kW	3.32
	SCOP/A			4.90
	SCOPnet/A			4.96
	Pdh Heating capacity at -10°		kW	2.60
	Annual energy consumption		kWh/a	948
	Required back up heating cap at design conditions		kW	0.72
	Energy efficiency class			A+++
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.79
	SCOP			6.27
	SCOPnet			6.36
	Annual energy consumption		kWh/a	400
	Required back up heating cap at design conditions		kW	0.00

2 Specifications

1 - 1 RXM-R9

Technical specifications				FCAG35B + RXM35R9		
Space cooling	A Condi- tion (35°C -27/19)	Pdc	kW	3.50		
		EERd		3.72		
		Power input	kW	0.94		
	B Condi- tion (30°C -27/19)	Pdc	kW	2.60		
		EERd		5.33		
		Power input	kW	0.49		
Space cooling	C Condi- tion (25°C -27/19)	Pdc	kW	1.68		
		EERd		9.52		
		Power input	kW	0.18		
	D Condi- tion (20°C -27/19)	Pdc	kW	1.49		
		EERd		12.25		
		Power input	kW	0.12		
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C		-15		
		Pdh (declared heating cap)	kW	2.04		
		COPd (declared COP)		2.50		
		Power input	kW	0.82		
	TBivalent	Tbiv (bivalent temperature) °C		-7		
		Pdh (declared heating cap)	kW	2.94		
		COPd (declared COP)		3.10		
		Power input	kW	0.95		
	A Con- dition (-7°C)	Pdh (declared heating cap)		kW	2.94	
		COPd (declared COP)			3.10	
		Power input		kW	0.95	
	B Condi- tion (2°C)	Pdh (declared heating cap)		kW	1.79	
		COPd (declared COP)			4.98	
		Power input		kW	0.36	
	C Condi- tion (7°C)	Pdh (declared heating cap)		kW	1.15	
		COPd (declared COP)			6.20	
		Power input		kW	0.19	
	D Con- dition (12°C)	Pdh (declared heating cap)		kW	1.24	
		COPd (declared COP)			7.88	
		Power input		kW	0.16	
	Power consump- tion in other than active mode	Crank- case heater mode	Cooling PCK	kW	0.000	
			Heating PCK	kW	0.000	
		Off mode	Cooling POFF	kW	0.014	
			Heating POFF	kW	0.014	
Standby mode		Cooling PSB	kW	0.014		
		Heating PSB	kW	0.014		
Thermo- stat-off mode		Cooling PTO	kW	0.007		
		Heating PTO	kW	0.007		
Space heating (Warm climate)		TOL	Tol (temperature operating limit) °C		-15	
			Pdh (declared heating cap)	kW	2.04	
			COPd (declared COP)		2.50	
Space heating (Warm climate)		TOL	Power input		kW	0.82
	TBivalent		Tbiv (bivalent temperature) °C		2	
			Pdh (declared heating cap)		kW	1.79
			COPd (declared COP)			4.98
			Power input		kW	0.36
	B Condi- tion (2°C)	Pdh (declared heating cap)		kW	1.79	
		COPd (declared COP)			4.98	
		Power input		kW	0.36	
	C Condi- tion (7°C)	Pdh (declared heating cap)		kW	1.15	
		COPd (declared COP)			6.20	
		Power input		kW	0.19	
	D Con- dition (12°C)	Pdh (declared heating cap)		kW	1.24	
		COPd (declared COP)			7.88	
		Power input		kW	0.16	
	Cooling	Cdc (Degradation cooling)			0.25	
Heating	Cdh (Degradation heating)			0.25		
Cooling function included				Yes		
Heating function included				Yes		
Average climate included				Yes		
Cold season included				No		
Warm season included				Yes		

2 Specifications

1 - 1 RXM-R9

Technical specifications					FCAG35B + RXM35R9
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	61
	Sound power level indoor	Cooling	Nom.	dBa	49
	Piping length	Cooling	Measuring condition	m	5.00

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications			FDXM25F9 + RXM25R9	FDXM35F9 + RXM35R9	
Cooling capacity	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,435	4,800	
	Min.	kcal/h	1,117	1,204	
	Nom.	kW	2.40	3.40	
	Nom.	Btu/h	8,189	11,600	
	Nom.	kcal/h	2,064	2,923	
	Max.	kW	3.00	3.80	
	Max.	Btu/h	10,236	13,000	
	Max.	kcal/h	2,579	3,267	
Heating capacity	Min.	kW	1.30	1.40	
	Min.	Btu/h	4,435	4,800	
	Min.	kcal/h	1,117	1,200	
	Nom.	kW	3.20	4.00	
	Nom.	Btu/h	10,919	13,600	
	Nom.	kcal/h	2,752	3,439	
	Max.	kW	4.50	5.00	
	Max.	Btu/h	15,354	17,100	
	Max.	kcal/h	3,869	4,299	
Power input	Cooling	Nom. kW	0.64	1.14	
	Heating	Nom. kW	0.80	1.15	
Nominal efficiency	EER		3.77	2.98	
	COP		4.00	3.48	
	Annual energy consumption	kWh	318	570	
	Energy labeling	Cooling	A	C	
	Directive	Heating	A	B	
Space cooling	Energy efficiency class		A+	A	
	Capacity Pdesign	kW	2.40	3.40	
	SEER		5.68	5.26	
	Annual energy consumption	kWh/a	148	226	
Space heating (Average climate)	Energy efficiency class		A+	A	
	Capacity Pdesign	kW	2.60	2.90	
	SCOP/A		4.24	3.88	
	SCOPnet/A		4.27	3.91	
	Pdh Heating capacity at -10°	kW	2.16	2.41	
	Annual energy consumption	kWh/a	858	1,046	
	Required back up heating cap at design conditions	kW	0.44	0.49	
Space heating (Warm climate)	Energy efficiency class		A+++	A++	
	Capacity Pdesignh	kW	1.40	1.57	
	SCOP		5.38	4.88	
	SCOPnet		5.46	4.95	
	Annual energy consumption	kWh/a	365	450	
	Required back up heating cap at design conditions	kW		0.00	
Space cooling	A Condi- tion (35°C - 27/19)	Pdc EERd	kW	2.40	3.40
				3.77	2.98
		Power input	kW	0.64	1.14
	B Condi- tion (30°C - 27/19)	Pdc EERd	kW	1.76	2.50
				5.38	4.08
		Power input	kW	0.33	0.61
	C Condi- tion (25°C - 27/19)	Pdc EERd	kW	1.27	1.61
				8.92	8.05
		Power input	kW	0.14	0.20
	D Condi- tion (20°C - 27/19)	Pdc EERd	kW	1.31	1.46
				10.90	9.65
		Power input	kW	0.12	0.15

2 Specifications

1 - 1 RXM-R9

2

Technical specifications				FDXM25F9 + RXM25R9	FDXM35F9 + RXM35R9	
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C		-15		
		Pdh (declared heating cap) kW	1.93	2.15		
		COPd (declared COP)	2.20	2.01		
		Power input kW	0.88	1.07		
	TBivalent	Tbiv (bivalent temperature) °C		-7		
		Pdh (declared heating cap) kW	2.30	2.57		
		COPd (declared COP)	2.81	2.60		
		Power input kW	0.82	0.99		
	A Con- dition (-7°C)	Pdh (declared heating cap) kW	2.30	2.57		
		COPd (declared COP)	2.81	2.60		
		Power input kW	0.82	0.99		
	B Condi- tion (2°C)	Pdh (declared heating cap) kW	1.40	1.57		
		COPd (declared COP)	4.21	3.84		
		Power input kW	0.33	0.41		
	C Condi- tion (7°C)	Pdh (declared heating cap) kW	1.00	1.02		
COPd (declared COP)		5.54	4.94			
Power input kW		0.18	0.21			
D Con- dition (12°C)	Pdh (declared heating cap) kW	1.17	1.19			
	COPd (declared COP)	6.84	6.08			
Space heating (Average climate)	D Con- dition (12°C)	Power input kW	0.17	0.20		
Power consump- tion in other than active mode	Crank- case heater mode	Cooling PCK kW	-	0.000		
		Heating PCK kW	-	0.000		
	Off mode	Cooling POFF kW	14.0	0.014		
		Heating POFF kW	14.0	0.014		
	Standby mode	Cooling PSB kW	14.0	0.014		
		Heating PSB kW	14.0	0.014		
	Thermo- stat-off mode	Cooling PTO kW	7.0	0.007		
		Heating PTO kW	7.0	0.007		
	Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C		-15	
			Pdh (declared heating cap) kW	1.93	2.15	
COPd (declared COP)			2.20	2.01		
		Power input kW	0.88	1.07		
TBivalent		Tbiv (bivalent temperature) °C		2		
		Pdh (declared heating cap) kW	1.40	1.57		
		COPd (declared COP)	4.21	3.84		
		Power input kW	0.33	0.41		
B Condi- tion (2°C)		Pdh (declared heating cap) kW	1.40	1.57		
		COPd (declared COP)	4.21	3.84		
		Power input kW	0.33	0.41		
C Condi- tion (7°C)		Pdh (declared heating cap) kW	1.00	1.02		
		COPd (declared COP)	5.54	4.94		
		Power input kW	0.18	0.21		
D Con- dition (12°C)		Pdh (declared heating cap) kW	1.17	1.19		
	COPd (declared COP)	6.84	6.08			
	Power input kW	0.17	0.20			
Cooling	Cdc (Degradation cooling)		0.25			
Heating	Cdh (Degradation heating)		0.25			
Cooling function included			Yes			
Heating function included			Yes			
Average climate included			Yes			
Cold season included			No			
Warm season included			Yes			
Ecolabel logo			No	-		
Eurovent	Sound power level outdoor	Cooling Nom. dBA	59	61		
		Heating Nom. dBA	53			
	Piping length	Cooling Measuring condition m	5.0	5.00		

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

2 Specifications

1 - 1 RXM-R9

See separate drawing for electrical data

Technical specifications				FFA25A9 + RXM25R9	FFA35A9 + RXM35R9
Cooling capacity	Nom.	kW	2.50	3.40	
	Nom.	Btu/h	8,530	11,600	
	Nom.	kcal/h	2,150	2,923	
Heating capacity	Nom.	kW	3.20	4.20	
	Nom.	Btu/h	10,919	14,300	
	Nom.	kcal/h	2,752	3,611	
Power input	Cooling Nom.	kW	0.55	0.89	
	Heating Nom.	kW	0.82	1.20	
Nominal efficiency	EER		4.57	3.81	
	COP		3.90	3.50	
	Annual energy consumption	kWh	273	446	
	Energy labeling Directive		A	B	
Space cooling	Energy efficiency class		A++		
	Capacity Pdesign	kW	2.50	3.40	
	SEER		6.17	6.38	
	Annual energy consumption	kWh/a	142	186	
Space heating (Average climate)	Energy efficiency class		A+		
	Capacity Pdesign	kW	2.31	3.10	
	SCOP/A		4.24	4.10	
	SCOPnet/A		4.27	4.19	
	Pdh Heating capacity at -10°	kW	2.03	2.04	
	Annual energy consumption	kWh/a	762	1,058	
	Required back up heating cap at design conditions	kW	0.28	1.06	
	Energy efficiency class		A+++		
Space heating (Warm climate)	Capacity Pdesignh	kW	1.24	5.10	
	SCOP		5.29	5.18	
	SCOPnet		5.37	341	
	Annual energy consumption	kWh/a	329	0.00	
	Required back up heating cap at design conditions	kW	0.00		
Space cooling	A Condi- tion (35°C -27/19)	Pdc EERd	kW	2.50	3.40
				4.57	3.81
		Power input	kW	0.55	0.89
	B Condi- tion (30°C -27/19)	Pdc EERd	kW	1.84	2.51
				6.60	5.79
		Power input	kW	0.28	0.43
Space cooling	C Condi- tion (25°C -27/19)	Pdc EERd	kW	1.41	1.45
				9.11	9.13
		Power input	kW	0.16	
	D Condi- tion (20°C -27/19)	Pdc EERd	kW	1.24	1.26
				11.95	11.99
		Power input	kW	0.10	0.11
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15	
		Pdh (declared heating cap)	kW	2.03	
		COPd (declared COP)		2.23	2.10
		Power input	kW	0.91	0.97
	TBivalent	Tbiv (bivalent temperature)	°C	-7	
		Pdh (declared heating cap)	kW	2.04	
		COPd (declared COP)		3.00	2.89
		Power input	kW	0.68	0.71
	A Con- dition (-7°C)	Pdh (declared heating cap)	kW	2.04	
		COPd (declared COP)		3.00	2.89
		Power input	kW	0.68	0.71
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.24	
		COPd (declared COP)		4.16	4.00
		Power input	kW	0.30	0.31
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	1.03	
		COPd (declared COP)		5.57	5.37
		Power input	kW	0.19	
	D Con- dition (12°C)	Pdh (declared heating cap)	kW	1.21	
		COPd (declared COP)		6.90	6.65
		Power input	kW	0.18	

2 Specifications

1 - 1 RXM-R9

2

Technical specifications					FFA25A9 + RXM25R9	FFA35A9 + RXM35R9
Power consumption in other than active mode	Crank-case heater mode	Cooling	PCK	kW	-	0.000
		Heating	PCK	kW	-	0.000
	Off mode	Cooling	POFF	kW	14.0	0.014
		Heating	POFF	kW	14.0	0.014
	Standby mode	Cooling	PSB	kW	14.0	0.014
		Heating	PSB	kW	14.0	0.014
	Thermo-stat-off mode	Cooling	PTO	kW	7.0	0.007
		Heating	PTO	kW	7.0	0.007
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C		-15	
		Pdh (declared heating cap)	kW		2.03	
		COPd (declared COP)		2.23	2.10	
Space heating (Warm climate)	TBivalent	Power input	kW	0.91	0.97	
		Tbiv (bivalent temperature)	°C		2	
		Pdh (declared heating cap)	kW		1.24	
	B Condition (2°C)	COPd (declared COP)		4.16	4.00	
		Power input	kW	0.30	0.31	
		Pdh (declared heating cap)	kW		1.24	
	C Condition (7°C)	COPd (declared COP)		4.16	4.00	
		Power input	kW	0.30	0.31	
		Pdh (declared heating cap)	kW		1.03	
	D Condition (12°C)	COPd (declared COP)		5.57	5.37	
		Power input	kW		0.19	
		Pdh (declared heating cap)	kW		1.21	
	Cooling	Cdc (Degradation cooling)			0.18	
					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
		Cooling	Nom.	dBa	48	51
	Piping length	Cooling	Measuring condition	m	5.0	5.00

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications					FHA35A9 + RXM35R9	
Cooling capacity	Nom.			kW	3.40	
	Nom.			Btu/h	11,600	
	Nom.			kcal/h	2,923	
Heating capacity	Nom.			kW	4.00	
	Nom.			Btu/h	13,600	
	Nom.			kcal/h	3,439	
Power input	Cooling	Nom.		kW	0.91	
	Heating	Nom.		kW	0.98	
Nominal efficiency	EER				3.73	
	COP				4.08	
	Annual energy consumption			kWh	456	
	Energy labeling	Cooling				A
	Directive	Heating				A
Space cooling	Energy efficiency class				A++	
	Capacity	Pdesign		kW	3.40	
	SEER				6.24	
	Annual energy consumption			kWh/a	191	

2 Specifications

1 - 1 RXM-R9

Technical specifications			FHA35A9 + RXM35R9	
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	2.64	
	Annual energy consumption	kWh/a	979	
	Required back up heating cap at design conditions	kW	0.46	
Space heating (Warm climate)	Energy efficiency class		A+++	
	Capacity Pdesignh	kW	1.67	
	SCOP		5.72	
	SCOPnet		5.83	
	Annual energy consumption	kWh/a	409	
	Required back up heating cap at design conditions	kW	0.00	
Space cooling	A Condi- Pdc	kW	3.40	
	tion (35°C EERd		3.73	
	- 27/19) Power input	kW	0.91	
	B Condi- Pdc	kW	2.51	
	tion (30°C EERd		5.28	
Space cooling	- 27/19) Power input	kW	0.48	
	C Condi- Pdc	kW	1.68	
	tion (25°C EERd		9.59	
	- 27/19) Power input	kW	0.18	
	D Condi- Pdc	kW	1.64	
Space heating (Average climate)	tion (20°C EERd		11.71	
	- 27/19) Power input	kW	0.14	
	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 Con- Pdh (declared heating cap)	kW	2.74	
	dition COPd (declared COP)		2.94	
	(-7°C) Power input	kW	0.93	
	B Condi- Pdh (declared heating cap)	kW	1.67	
	tion (2°C) COPd (declared COP)		4.32	
	Power input	kW	0.39	
	C Condi- Pdh (declared heating cap)	kW	1.14	
	tion (7°C) COPd (declared COP)		5.83	
	Power input	kW	0.20	
	D Con- Pdh (declared heating cap)	kW	1.34	
dition COPd (declared COP)		7.24		
(12°C) Power input	kW	0.19		
Power consumption in other than active mode	Thermost- Heating PTO	kW	0.010	
	at-off mode			
	Space heating (Warm climate)	TOL Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	2.47
		COPd (declared COP)		2.23
		Power input	kW	1.11
	TBivalent Tbiv (bivalent temperature)	°C		2
		Pdh (declared heating cap)	kW	1.67
		COPd (declared COP)		4.32
		Power input	kW	0.39
	B Condi- Pdh (declared heating cap)	kW		1.67
		tion (2°C) COPd (declared COP)		4.32
	Space heating (Warm climate)	B Condi- Power input	kW	0.39
tion (2°C)				
C Condi- Pdh (declared heating cap)		kW	1.14	
tion (7°C) COPd (declared COP)			5.83	
Power input		kW	0.20	
D Con- Pdh (declared heating cap)	kW		1.34	
	dition COPd (declared COP)		7.24	
	(12°C) Power input	kW	0.19	
Cooling	Cdc (Degradation cooling)		0.25	
Heating	Cdh (Degradation heating)		0.25	
Cooling function included			Yes	

2 Specifications

1 - 1 RXM-R9

2

Technical specifications					FHA35A9 + RXM35R9
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	61
	Sound power level indoor	Cooling	Nom.	dB(A)	53
	Piping length	Cooling	Measuring condition	m	5.00

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications				FNA25A9 + RXM25R9	FNA35A9 + RXM35R9
Cooling capacity	Nom.		kW	2.60	3.40
	Nom.		Btu/h	8,872	11,600
	Nom.		kcal/h	2,236	2,923
Heating capacity	Nom.		kW	3.20	4.00
	Nom.		Btu/h	10,919	13,600
	Nom.		kcal/h	2,752	3,439
Power input	Cooling	Nom.	kW	0.68	1.10
	Heating	Nom.	kW	0.80	1.15
Nominal efficiency	EER			3.80	3.09
	COP			4.00	3.48
	Annual energy consumption		kWh	342	550
	Energy labeling	Cooling		A	B
		Heating		A	B
Space cooling	Energy efficiency class			A+	
	Capacity	Pdesign	kW	2.60	3.40
	SEER			5.68	5.70
	Annual energy consumption		kWh/a	160	209
Space heating (Average climate)	Energy efficiency class			A+	
	Capacity	Pdesign	kW	2.80	2.90
	SCOP/A			4.24	4.05
	SCOPnet/A			4.28	4.08
	PdH Heating capacity at -10°		kW	2.16	2.41
	Annual energy consumption		kWh/a	924	1,002
	Required back up heating cap at design conditions		kW	0.64	0.49
	Energy efficiency class			A+++	
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.51	1.57
	SCOP			5.43	5.10
	SCOPnet			5.50	5.17
	Annual energy consumption		kWh/a	389	431
	Required back up heating cap at design conditions		kW	0.00	
Space cooling	A Condi- tion (35°C - 27/19)	Pdc EERd	kW	2.60	3.40
				3.80	3.09
		Power input	kW	0.68	1.10
	B Condi- tion (30°C - 27/19)	Pdc EERd	kW	1.92	2.50
				5.17	4.41
		Power input	kW	0.37	0.57
Space cooling	C Condi- tion (25°C - 27/19)	Pdc EERd	kW	1.27	1.61
				8.97	9.38
		Power input	kW	0.14	0.17
	D Condi- tion (20°C - 27/19)	Pdc EERd	kW	1.33	1.46
				10.18	10.14
		Power input	kW	0.13	0.14

2 Specifications

1 - 1 RXM-R9

Technical specifications					FNA25A9 + RXM25R9	FNA35A9 + RXM35R9	
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-15		
		Pdh (declared heating cap)	kW		1.93	2.15	
		COPd (declared COP)			2.20	2.21	
		Power input	kW		0.88	0.97	
	TBivalent	Tbiv (bivalent temperature) °C			-7		
		Pdh (declared heating cap)	kW		2.48	2.57	
		COPd (declared COP)			2.80	2.71	
		Power input	kW		0.89	0.95	
	A Con- dition (-7°C)	Pdh (declared heating cap)	kW		2.48	2.57	
		COPd (declared COP)			2.80	2.71	
		Power input	kW		0.89	0.95	
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW		1.51	1.57	
		COPd (declared COP)			4.18	4.01	
		Power input	kW		0.36	0.39	
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW		1.00	1.02	
COPd (declared COP)				5.51	5.16		
Power input		kW		0.18	0.20		
D Con- dition (12°C)	Pdh (declared heating cap)	kW		1.17	1.19		
	COPd (declared COP)			6.80	6.35		
	Power input	kW		0.17	0.19		
Power consump- tion in other than active mode	Crank- case heater mode	Cooling PCK	kW		-	0.000	
		Heating PCK	kW		-	0.000	
	Off mode	Cooling POFF	kW		14.0	0.014	
		Heating POFF	kW		14.0	0.014	
	Standby mode	Cooling PSB	kW		14.0	0.014	
		Heating PSB	kW		14.0	0.014	
	Thermo- stat-off mode	Cooling PTO	kW		7.0	0.007	
		Heating PTO	kW		7.0	0.007	
	Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C			-15	
			Pdh (declared heating cap)	kW		1.93	2.15
COPd (declared COP)					2.20	2.21	
Space heating (Warm climate)	TOL	Power input			0.88	0.97	
		TBivalent	Tbiv (bivalent temperature) °C			2	
			Pdh (declared heating cap)	kW		1.51	1.57
	COPd (declared COP)				4.18	4.01	
		Power input	kW		0.36	0.39	
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW		1.51	1.57	
		COPd (declared COP)			4.18	4.01	
		Power input	kW		0.36	0.39	
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW		1.00	1.02	
		COPd (declared COP)			5.51	5.16	
		Power input	kW		0.18	0.20	
	D Con- dition (12°C)	Pdh (declared heating cap)	kW		1.17	1.19	
		COPd (declared COP)			6.80	6.35	
		Power input	kW		0.17	0.19	
	Cooling	Cdc (Degradation cooling)			0.25		
Heating	Cdh (Degradation heating)			0.25			
Cooling function included				Yes			
Heating function included				Yes			
Average climate included				Yes			
Cold season included				No			
Warm season included				Yes			
Ecolabel logo				No	-		
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59	61	
		Cooling	Nom.	dB(A)	53		
	Piping length	Cooling	Measuring con- dition	m	5.0	5.00	

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

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

See separate drawing for operation range |

See separate drawing for electrical data

3 Electrical data

3 - 1 Electrical Data

3

ARXM25-35R9

RXM20-35R9

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

Notes

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

Symbols

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

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3 Electrical data

3 - 1 Electrical Data

ARXM25-35R9

RXM20-35R9

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

Notes

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

Symbols

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

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4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FTXM20N / RXM20R9

Cooling · 220-240V 50Hz·

AFR	11,1
BF	0,16

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

Heating · 220-240V 50Hz·

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

Symbols

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

Notes

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

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

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FTXM20R / RXM20R9

Cooling

50Hz 220 -240V

AFR	10,48
BF	0,08

Indoor air temperature [° C WB]	Indoor air temperature [° C DB]	Outdoor temperature [° C DB]																	
		20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,05	2,05	0,34	1,96	1,96	0,37	1,86	1,86	0,40	1,83	1,83	0,41	1,77	1,77	0,43	1,68	1,68	0,47
16	22	2,14	1,95	0,34	2,05	1,98	0,37	1,95	1,95	0,40	1,92	1,92	0,42	1,86	1,86	0,43	1,77	1,77	0,47
18	25	2,23	2,23	0,34	2,14	2,14	0,37	2,05	2,05	0,40	2,01	2,01	0,42	1,95	1,95	0,44	1,86	1,86	0,47
19	27	2,28	2,28	0,34	2,19	2,19	0,37	2,09	2,09	0,41	2,06	2,06	0,42	2,00	2,00	0,44	1,91	1,91	0,47
22	30	2,42	2,32	0,34	2,32	2,32	0,38	2,23	2,23	0,41	2,19	2,19	0,42	2,14	2,14	0,44	2,05	2,05	0,47
24	32	2,51	2,07	0,35	2,42	2,14	0,38	2,32	2,25	0,41	2,29	2,29	0,42	2,23	2,23	0,44	2,14	2,14	0,47

Heating

50Hz 220 -240V

AFR	9,33
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Indoor air temperature [° C DB]	Outdoor temperature [° C WB]											
	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,19	0,32	1,43	0,34	1,67	0,36	1,94	0,46	2,59	0,49	2,81	0,51
20	1,12	0,33	1,36	0,35	1,60	0,37	1,86	0,47	2,50	0,50	2,73	0,52
22	1,09	0,34	1,33	0,36	1,57	0,37	1,83	0,48	2,47	0,50	2,69	0,52
24	1,06	0,34	1,30	0,36	1,54	0,38	1,80	0,48	2,43	0,51	2,66	0,53
25	1,04	0,34	1,28	0,36	1,52	0,38	1,78	0,49	2,41	0,51	2,64	0,53
27	1,01	0,35	1,25	0,37	1,49	0,38	1,76	0,49	2,38	0,52	2,61	0,54

Symbols

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

Notes

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

4D133702

4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FDXM25F9 / RXM25R9

Cooling 50Hz 220-240V

AFR	8,7
BF	0,17

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

Heating 50Hz 220-240V

AFR	8,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81
20,0		1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83
22,0		1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83
24,0		1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84
25,0		1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84
27,0		1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85

Symbols

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

Notes

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

4D133740

FFA25A9 / RXM25R9

Cooling

50Hz 220-240V

AFR	9,0
BF	0,24

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

Heating

50Hz 220-240V

AFR	9,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		1,49	0,66	1,79	0,69	2,09	0,73	2,39	0,76	3,31	0,80	3,60	0,83
20,0		1,40	0,68	1,70	0,71	2,00	0,75	2,30	0,78	3,20	0,82	3,49	0,85
22,0		1,36	0,69	1,66	0,72	1,96	0,75	2,26	0,79	3,16	0,83	3,44	0,85
24,0		1,32	0,69	1,62	0,73	1,92	0,76	2,22	0,79	3,11	0,84	3,40	0,86
25,0		1,30	0,70	1,60	0,73	1,90	0,76	2,20	0,80	3,09	0,84	3,38	0,87
27,0		1,27	0,70	1,57	0,74	1,87	0,77	2,17	0,81	3,05	0,85	3,33	0,87

Symbols

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

Notes

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

4D133739

4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FTXM25N / RXM25R9

Cooling · 220-240V 50Hz·

AFR	11,1
BF	0,21

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

Heating · 220-240V 50Hz·

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

Symbols

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

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5.0· m
Level difference: ·0·m
 - The bold cells indicate the standard conditions.
Rated operating frequency [Hz]
- ① Indoor air temperature [°C WB]
 - ② Indoor air temperature [°C DB]
 - ③ Outdoor air temperature [°C DB]
 - ④ Outdoor air temperature [°C WB]

4D133732

FTXM25R / RXM25R9

Cooling

50Hz 220 -240V

AFR	10,49
BF	0,25

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	1,90	0,43	2,44	1,86	0,47	2,33	1,82	0,51	2,28	1,81	0,52	2,21	1,79	0,55	2,10	1,77	0,59
16	22	2,68	1,81	0,43	2,56	1,77	0,47	2,44	1,73	0,51	2,40	1,72	0,53	2,33	1,70	0,55	2,21	1,67	0,59
18	25	2,79	1,90	0,43	2,68	1,87	0,47	2,56	1,84	0,51	2,51	1,83	0,53	2,44	1,82	0,55	2,33	1,81	0,60
19	27	2,85	2,05	0,43	2,73	2,03	0,47	2,62	2,02	0,51	2,57	2,02	0,53	2,50	2,02	0,56	2,38	2,03	0,60
22	30	3,02	1,86	0,44	2,91	1,83	0,48	2,79	1,81	0,52	2,74	1,80	0,53	2,67	1,80	0,56	2,56	1,79	0,60
24	32	3,14	1,74	0,44	3,02	1,71	0,48	2,90	1,69	0,52	2,86	1,68	0,54	2,79	1,67	0,56	2,67	1,66	0,60

Heating

50Hz 220 -240V

AFR	9,78
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Indoor air temperature [°C DB]	Outdoor temperature [°C WB]											
	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,38	1,87	0,40	2,09	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	1,98	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	1,95	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	1,92	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	1,90	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	1,88	0,55	2,66	0,58	2,92	0,60

Symbols

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

Notes

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

4D133703

4 Capacity tables

4 - 1 Cooling Capacity Tables

FNA25A9 / RXM25R9

Cooling 50Hz 220 - 240V

AFR	8,7
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,66	2,04	0,52	2,54	1,98	0,58	2,42	1,92	0,63	2,37	1,90	0,65	2,30	1,86	0,68	2,18	1,81	0,73
16,0	22	2,78	2,00	0,53	2,66	1,95	0,58	2,54	1,89	0,63	2,49	1,87	0,65	2,42	1,84	0,68	2,30	1,78	0,73
18,0	25	2,90	2,11	0,53	2,78	2,06	0,58	2,66	2,00	0,63	2,61	1,98	0,65	2,54	1,95	0,68	2,42	1,90	0,73
19,0	27	2,96	2,23	0,53	2,84	2,18	0,58	2,72	2,13	0,63	2,67	2,11	0,65	2,60	2,08	0,68	2,48	2,04	0,73
22,0	30	3,14	2,16	0,54	3,02	2,11	0,59	2,90	2,07	0,64	2,85	2,05	0,66	2,78	2,02	0,69	2,66	1,98	0,74
24,0	32	3,26	2,10	0,54	3,14	2,06	0,59	3,02	2,02	0,64	2,97	2,01	0,66	2,90	1,98	0,69	2,78	1,94	0,74

Heating 50Hz 220 - 240V

AFR	8,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0		1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81
20,0		1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83
22,0		1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83
24,0		1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84
25,0		1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84
27,0		1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85

Symbols

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

Notes

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

4D133735

FVXM25A / RXM25R9

Cooling -220-240V 50Hz-

AFR	8,7
BF	0,09

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,46	1,87	0,40	2,35	1,84	0,44	2,24	1,81	0,47	2,19	1,80	0,49	2,12	1,79	0,51	2,01	1,78	0,55
16	22	2,57	1,78	0,40	2,46	1,74	0,44	2,35	1,71	0,48	2,30	1,70	0,49	2,23	1,68	0,51	2,12	1,66	0,55
18	25	2,68	1,88	0,40	2,57	1,85	0,44	2,46	1,83	0,48	2,41	1,82	0,49	2,34	1,82	0,52	2,23	1,82	0,56
19	27	2,74	2,04	0,40	2,62	2,03	0,44	2,51	2,03	0,48	2,47	2,04	0,50	2,40	2,05	0,52	2,29	2,08	0,56
22	30	2,90	1,84	0,41	2,79	1,82	0,44	2,68	1,81	0,48	2,63	1,80	0,50	2,57	1,80	0,52	2,45	1,81	0,56
24	32	3,01	1,72	0,41	2,90	1,70	0,45	2,79	1,68	0,49	2,74	1,67	0,50	2,68	1,67	0,52	2,56	1,66	0,56

Heating -220-240V 50Hz-

AFR	9,2
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Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]													
	-20		-15		-10		-5		0		7		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,61	0,54	1,98	0,57	2,35	0,60	2,26	0,63	2,56	0,66	3,61	0,69	3,83	0,71
20	1,40	0,59	1,77	0,62	2,14	0,65	2,51	0,68	2,39	0,71	3,40	0,75	3,62	0,76
22	1,31	0,61	1,68	0,64	2,05	0,67	2,43	0,70	1,81	0,73	3,32	0,76	3,54	0,78
24	1,23	0,63	1,60	0,66	1,97	0,69	2,34	0,72	1,73	0,75	3,23	0,77	3,45	0,81
25	1,19	0,65	1,56	0,67	1,93	0,70	2,30	0,73	1,70	0,76	3,19	0,77	3,41	0,82
27	1,08	0,66	1,47	0,69	1,84	0,72	2,22	0,75	1,62	0,78	3,11	0,78	3,33	0,84

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

Notes

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

Symbols

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

4D133699

4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FVXM25F / RXM25R9

Cooling 50Hz 220 - 240V

AFR	8,2
BF	0,1

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,56	2,00	0,46	2,44	1,95	0,50	2,33	1,89	0,55	2,28	1,87	0,56	2,21	1,84	0,59	2,10	1,78	0,64
16,0	22	2,68	1,97	0,46	2,56	1,92	0,51	2,44	1,87	0,55	2,40	1,84	0,57	2,33	1,81	0,59	2,21	1,76	0,64
18,0	25	2,79	2,08	0,46	2,68	2,03	0,51	2,56	1,98	0,55	2,51	1,96	0,57	2,44	1,93	0,60	2,33	1,89	0,64
19,0	27	2,85	2,21	0,47	2,73	2,16	0,51	2,62	2,11	0,55	2,57	2,09	0,57	2,50	2,07	0,60	2,38	2,02	0,64
22,0	30	3,02	2,13	0,47	2,91	2,09	0,51	2,79	2,05	0,56	2,74	2,03	0,58	2,67	2,01	0,60	2,56	1,97	0,65
24,0	32	3,14	2,08	0,47	3,02	2,04	0,52	2,90	2,01	0,56	2,86	1,99	0,58	2,79	1,97	0,60	2,67	1,93	0,65

Heating 50Hz 220 - 240V

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

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

Symbols

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

Notes

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

4D133736

FBA35A9 / RXM35R9

Cooling · 220-240V 50Hz ·

AFR	15,0
BF	0,08

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

Heating · 220-240V 50Hz ·

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

Symbols

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

Notes

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

4D133717

4 Capacity tables

4 - 1 Cooling Capacity Tables

FCAG35B / RXM35R9

Cooling · 220-240V 50Hz ·

AFR	12,5
BF	0,4

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

Heating · 220-240V 50Hz ·

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

Symbols

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

Notes

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

4D133724

FDXM35F9 / RXM35R9

Cooling · 220-240V 50Hz ·

AFR	8,7
BF	0,17

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

Heating · 220-240V 50Hz ·

AFR	8,7
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Indoor		Outdoor temperature [°C WB]											
°C	EDB	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,86	0,92	2,23	0,97	2,61	1,02	2,98	1,07	4,14	1,12	4,50	1,16	
20	1,75	0,95	2,12	1,00	2,50	1,05	2,87	1,09	4,00	1,15	4,36	1,19	
22	1,70	0,96	2,07	1,01	2,45	1,06	2,82	1,10	3,94	1,16	4,31	1,20	
24	1,65	0,97	2,03	1,02	2,40	1,07	2,78	1,11	3,89	1,17	4,25	1,21	
25	1,63	0,98	2,01	1,02	2,38	1,07	2,76	1,12	3,86	1,18	4,22	1,21	
27	1,59	0,99	1,96	1,03	2,33	1,08	2,71	1,13	3,81	1,19	4,02	1,21	

Symbols

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

Notes

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

4D133725

4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FFA35A9 / RXM35R9

Cooling ·220-240V 50Hz·

AFR	10,0
BF	0,25

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

Heating ·220-240V 50Hz·

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

Symbols

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

Notes

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

4D133727

FHA35A9 / RXM35R9

Cooling ·220-240V 50Hz·

AFR	14,0
BF	0,17

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

Heating ·220-240V 50Hz·

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

Symbols

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

Notes

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

4D133730

4 Capacity tables

4 - 1 Cooling Capacity Tables

FNA35A9 / RXM35R9

Cooling ·220-240V 50Hz·

AFR	8,7
BF	0,17

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

Heating ·220-240V 50Hz·

AFR	8,7
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Indoor		Outdoor temperature [°C WB]											
EDB °C	°C	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,86	0,92	2,23	0,97	2,61	1,02	2,98	1,07	4,14	1,12	4,50	1,16	
20	1,75	0,95	2,12	1,00	2,50	1,05	2,87	1,09	4,00	1,15	4,36	1,19	
22	1,70	0,96	2,07	1,01	2,45	1,06	2,82	1,10	3,94	1,16	4,31	1,20	
24	1,65	0,97	2,03	1,02	2,40	1,07	2,78	1,11	3,89	1,17	4,25	1,21	
25	1,63	0,98	2,01	1,02	2,38	1,07	2,76	1,12	3,86	1,18	4,22	1,21	
27	1,59	0,99	1,96	1,03	2,33	1,08	2,71	1,13	3,81	1,19	4,02	1,21	

Symbols

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

Notes

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

4D133731

FTXM35N / RXM35R9

Cooling ·220-240V 50Hz·

AFR	12,3
BF	0,21

Indoor		Outdoor temperature [°C DB]																	
EWB °C	EDB °C	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
-----	------

Indoor		Outdoor temperature [°C WB]											
EDB °C	°C	-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
- EWB: Entering wet-bulb temperature (°C WB)
- EDB: Entering dry-bulb temperature (°C DB)

Notes

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

4D133734

4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FTXM35R / RXM35R9

Cooling

50Hz 220-240V

AFR	11,33
BF	0,20

Indoor air temperature [° C WB]	Indoor air temperature [° C DB]	Outdoor temperature [° C DB]																	
		20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,54	0,62	3,33	2,48	0,68	3,17	2,42	0,74	3,10	2,40	0,76	3,01	2,38	0,79	2,85	2,34	0,85
16	22	3,64	2,43	0,62	3,48	2,37	0,68	3,32	2,31	0,74	3,26	2,29	0,76	3,17	2,26	0,80	3,01	2,21	0,86
18	25	3,80	2,54	0,62	3,64	2,48	0,68	3,48	2,44	0,74	3,42	2,42	0,77	3,32	2,40	0,80	3,16	2,38	0,86
19	27	3,87	2,71	0,63	3,72	2,68	0,68	3,56	2,65	0,74	3,49	2,65	0,77	3,40	2,64	0,80	3,24	2,65	0,86
22	30	4,11	2,48	0,63	3,95	2,43	0,69	3,79	2,40	0,75	3,73	2,39	0,77	3,63	2,37	0,81	3,48	2,35	0,87
24	32	4,27	2,33	0,63	4,11	2,28	0,69	3,95	2,24	0,75	3,89	2,23	0,78	3,79	2,21	0,81	3,63	2,19	0,87

Heating

50Hz 220-240V

AFR	9,78
-----	------

Indoor air temperature [° C DB]	Outdoor temperature [° C WB]											
	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,31	0,75	2,74	0,79	3,13	0,84	3,35	0,88	4,21	0,94	4,47	0,96
20	2,10	0,80	2,53	0,85	2,96	0,89	3,16	0,93	4,00	0,99	4,26	1,02
22	2,02	0,82	2,45	0,87	2,88	0,91	3,08	0,95	3,92	1,01	4,18	1,04
24	1,93	0,84	2,36	0,89	2,80	0,93	3,01	0,97	3,83	1,02	4,09	1,06
25	1,89	0,86	2,32	0,90	2,75	0,94	2,97	0,98	3,79	1,02	4,05	1,07
27	1,81	0,88	2,24	0,92	2,67	0,96	2,90	1,00	3,71	1,03	3,97	1,09

Notes

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

Symbols

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

4D133704

FVXM35A / RXM35R9

Cooling -220-240V 50Hz-

AFR	9,2
BF	0,11

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,35	2,39	0,63	3,33	2,38	0,70	3,17	2,32	0,76	3,10	2,29	0,79	3,01	2,26	0,82	2,85	2,20	0,89
16	22	3,64	2,36	0,64	3,48	2,29	0,70	3,32	2,22	0,77	3,26	2,20	0,79	3,17	2,16	0,83	3,01	2,10	0,89
18	25	3,80	2,44	0,65	3,64	2,38	0,71	3,48	2,32	0,77	3,42	2,30	0,79	3,32	2,27	0,83	3,16	2,23	0,89
19	27	3,87	2,58	0,65	3,72	2,53	0,71	3,56	2,49	0,77	3,49	2,47	0,80	3,40	2,45	0,83	3,24	2,43	0,89
22	30	4,11	2,38	0,65	3,95	2,32	0,72	3,79	2,27	0,78	3,73	2,26	0,80	3,63	2,23	0,84	3,48	2,19	0,90
24	32	4,27	2,25	0,66	4,11	2,20	0,72	3,95	2,15	0,78	3,89	2,13	0,81	3,79	2,10	0,84	3,63	2,06	0,90

Heating -220-240V 50Hz-

AFR	9,8
-----	-----

Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]													
	-20		-15		-10		-5		0		7		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,71	0,97	3,08	1,00	3,45	1,03	3,17	1,06	3,47	1,09	4,71	1,13	4,93	1,15
20	2,14	1,02	2,87	1,05	3,24	1,08	3,00	1,11	3,30	1,14	4,50	1,18	4,72	1,20
22	1,78	1,05	2,78	1,08	3,15	1,10	2,93	1,13	1,81	1,16	4,42	1,20	4,64	1,22
24	1,42	1,07	2,70	1,10	3,07	1,12	3,44	1,15	1,73	1,18	4,33	1,21	4,55	1,24
25	1,24	1,08	2,66	1,11	3,03	1,14	3,40	1,16	1,70	1,19	4,29	1,22	4,51	1,25
27	0,89	1,10	2,49	1,13	2,94	1,16	3,32	1,18	1,62	1,21	4,21	1,23	4,43	1,27

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

Notes

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

Symbols

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

4D133701

4 Capacity tables

4 - 1 Cooling Capacity Tables

FVXM35F / RXM35R9
Cooling · 220-240V 50Hz·

BF 0,11

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

Heating · 220-240V 50Hz·

AFR 9,4

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

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

Notes

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

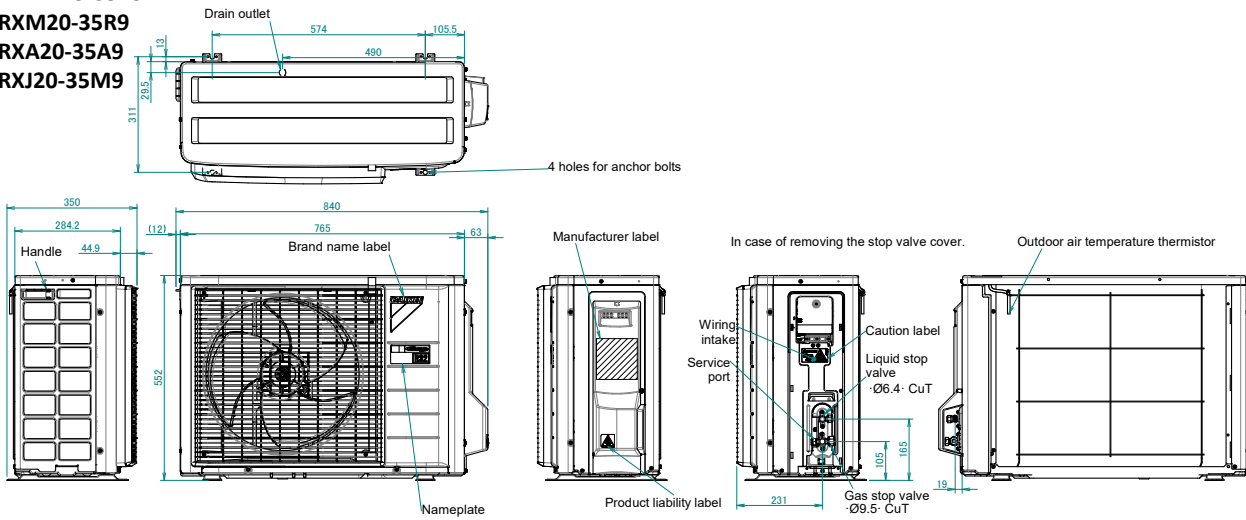
4D133733

5 Dimensional drawings

5 - 1 Dimensional Drawings

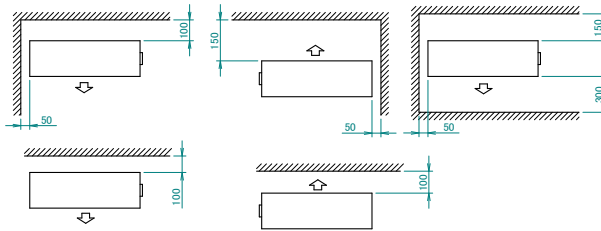
5

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



Minimum space for air passage

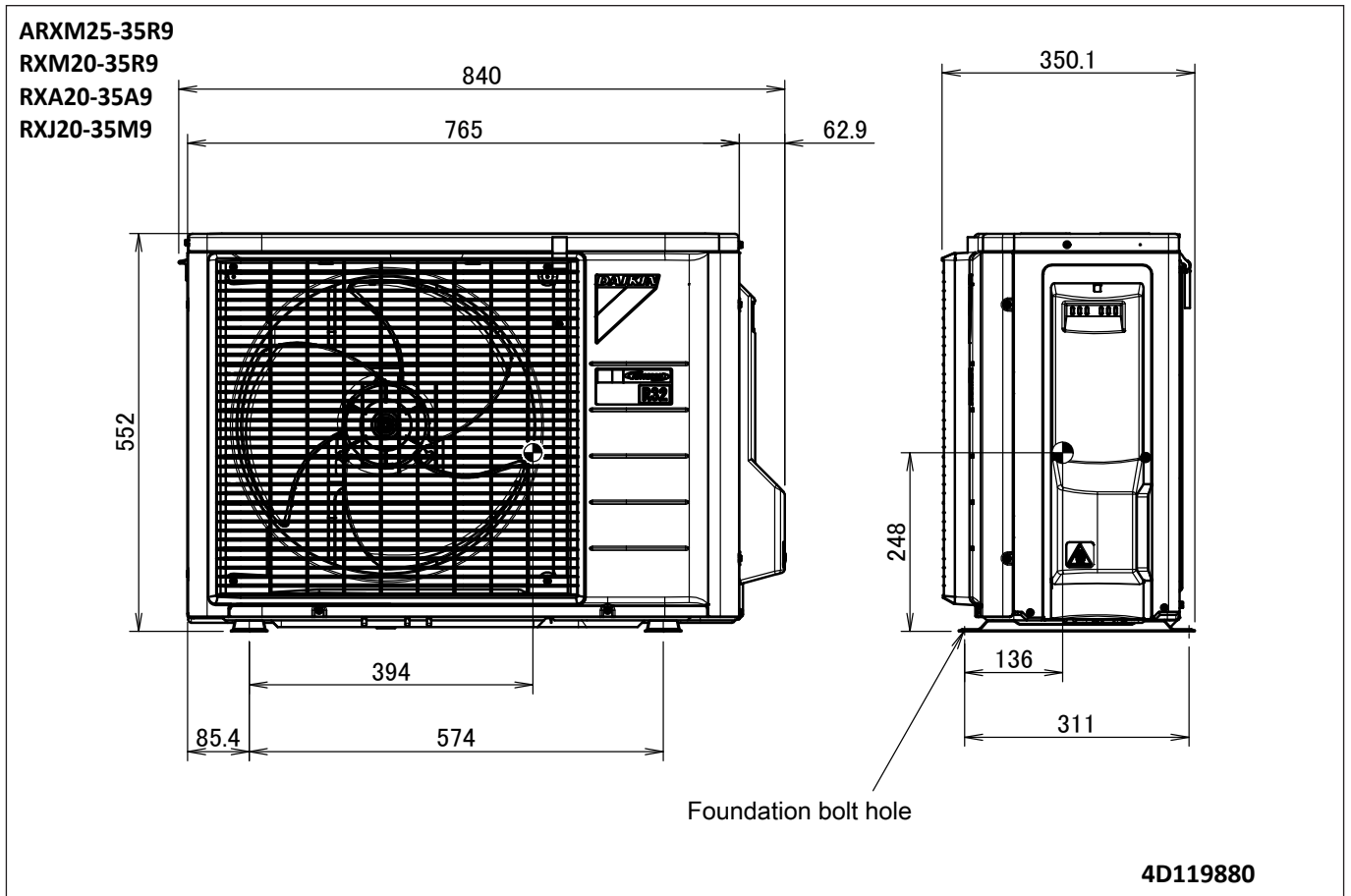
Wall height on air outlet side < 1200 mm



3D119881A

6 Centre of gravity

6 - 1 Centre of Gravity



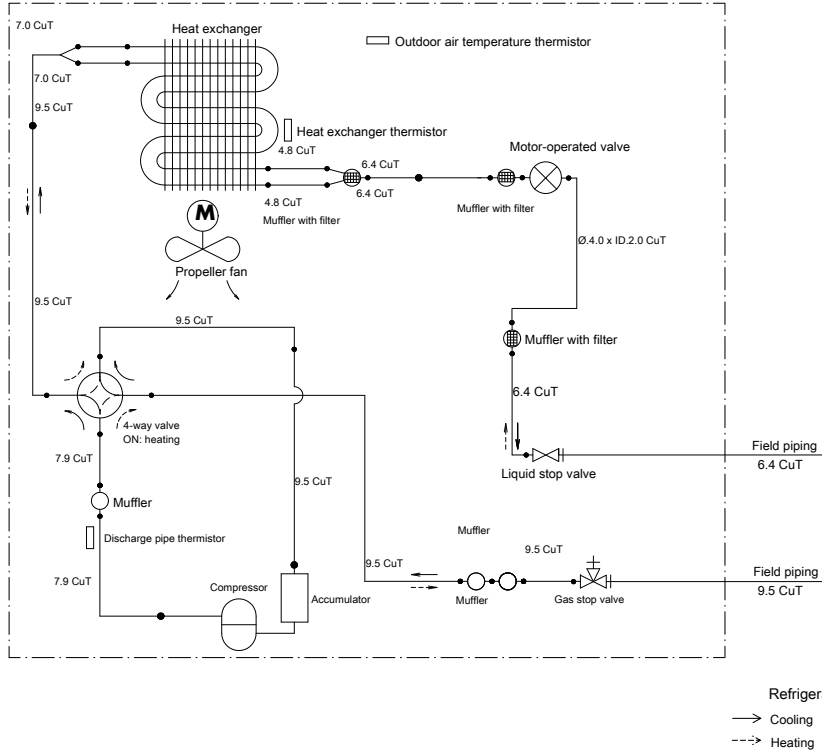
7 Piping diagrams

7 - 1 Piping Diagrams

7

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

Outdoor unit

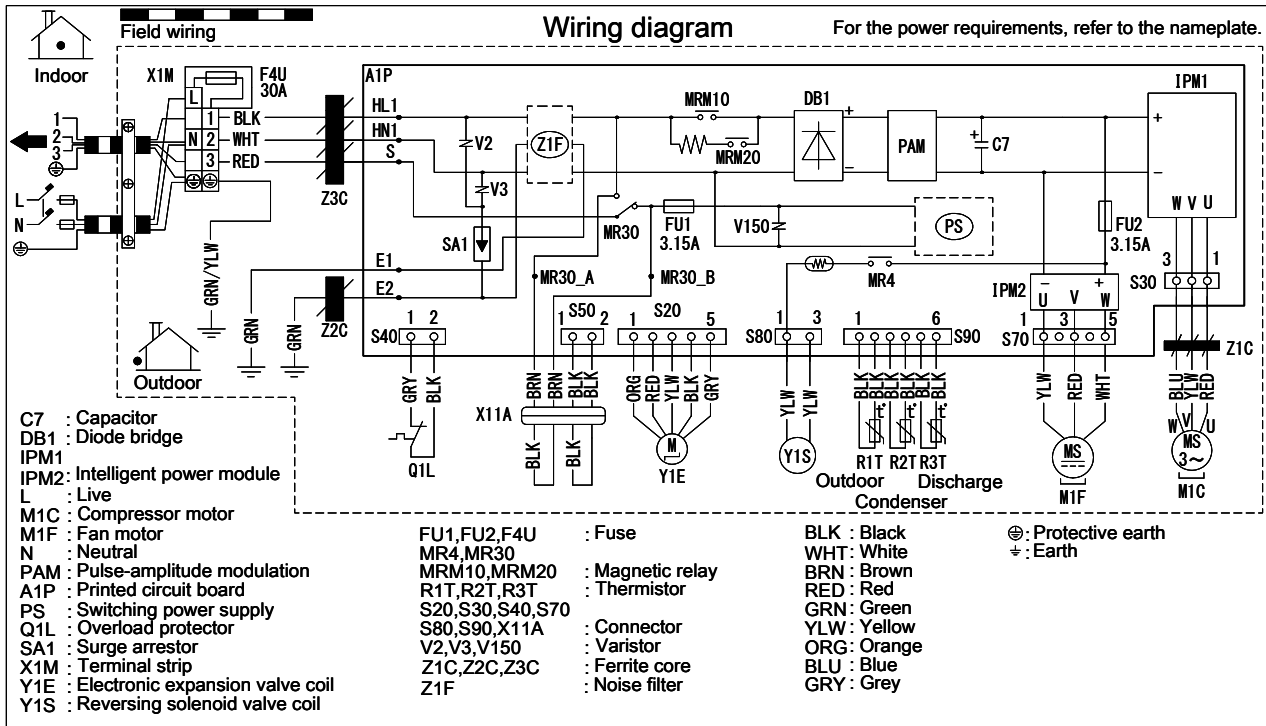


3D091995B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

ARXM25-35R9 RXM20-35R9



Notes

Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

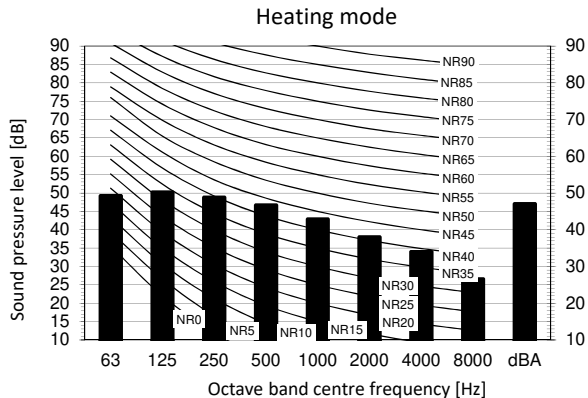
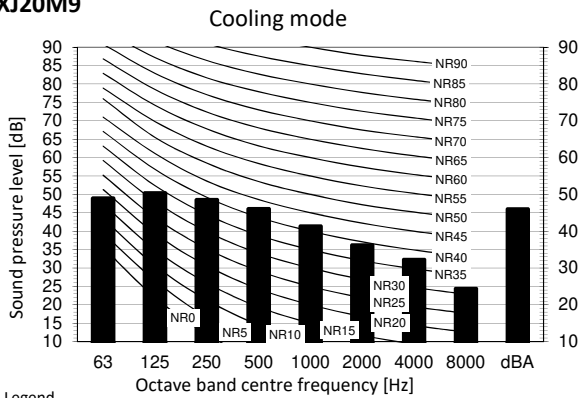
4D120154

9 Sound data

9 - 1 Sound Pressure Spectrum

9

RXM20R9
RXA20A9
RXJ20M9

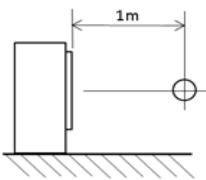


Legend

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

- A Scale
- B Fan speed: High

Location of microphone



Cooling		Total dB
A	B	
dBA		46

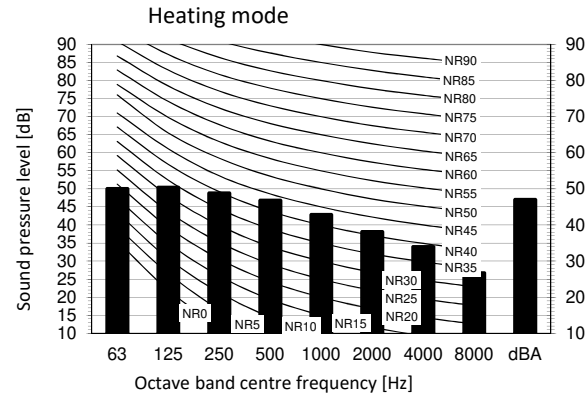
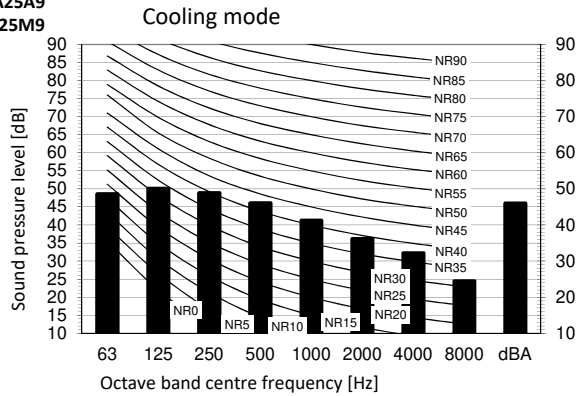
Heating		Total dB
A	B	
dBA		47

Notes

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

3D110121A

ARXM25R9
RXM25R9
RXA25A9
RXJ25M9

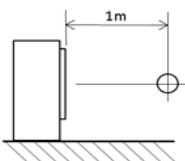


Legend

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

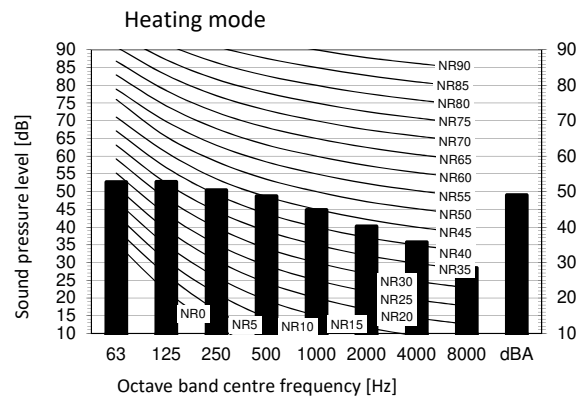
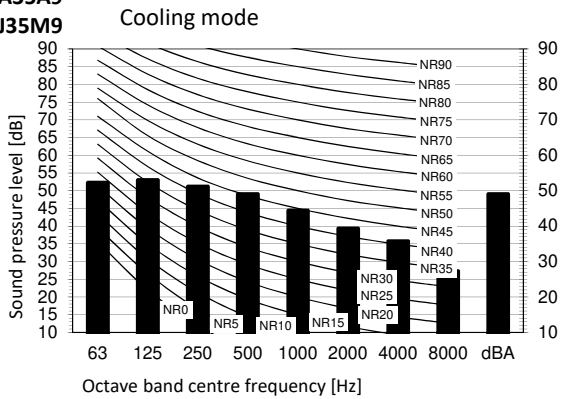
Heating		Total dB
A	B	
dBA		47

3D110122A

9 Sound data

9 - 1 Sound Pressure Spectrum

ARXM35R9
RXM35R9
RXA35A9
RXJ35M9



Legend

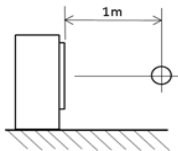
dBA = A-weighted sound pressure level (A scale according to IEC).

- 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

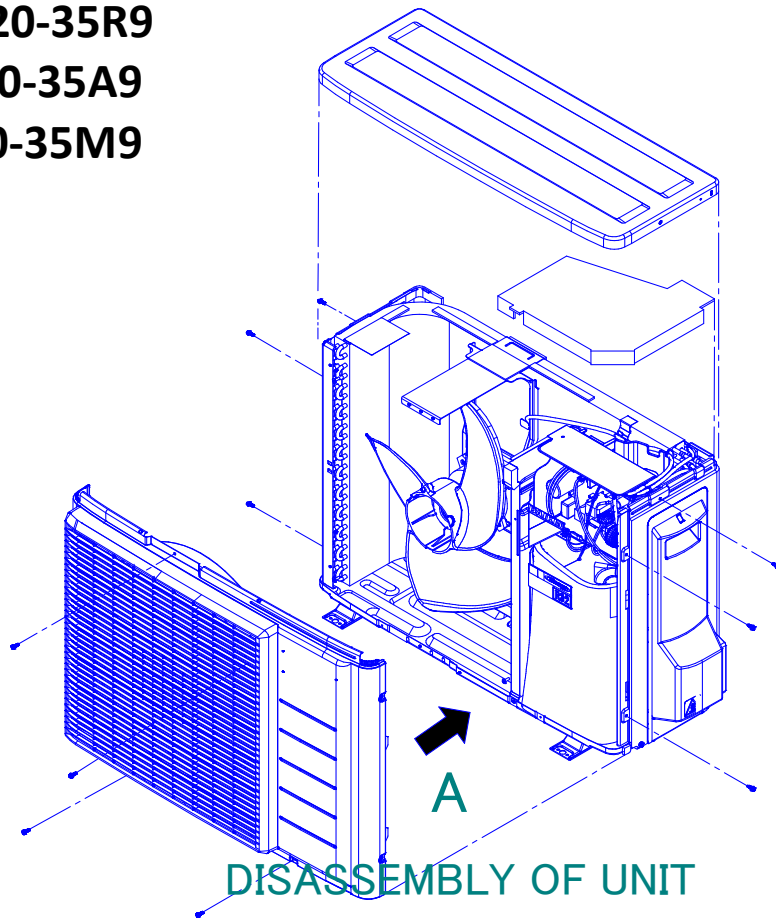
3D110123A

10 Installation

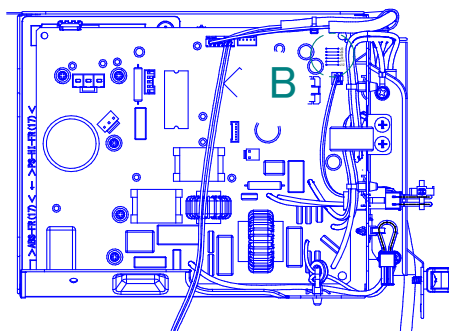
10 - 1 Installation Method

10

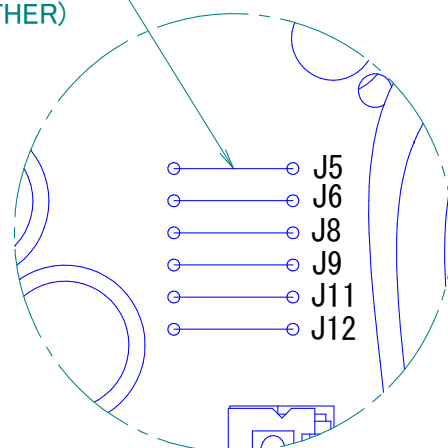
ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9



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



ARROW VIEW A
EL. COMPO. ASSY



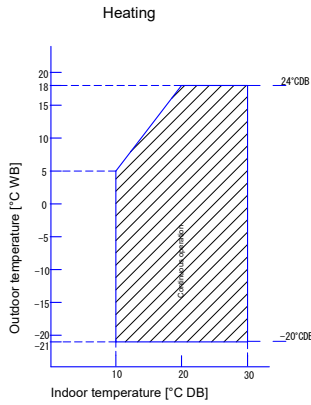
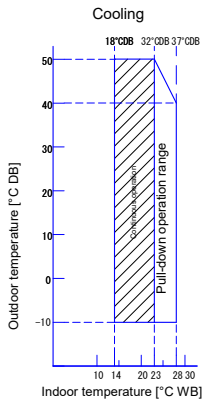
DETAIL B

4D133752

11 Operation range

11 - 1 Operation Range

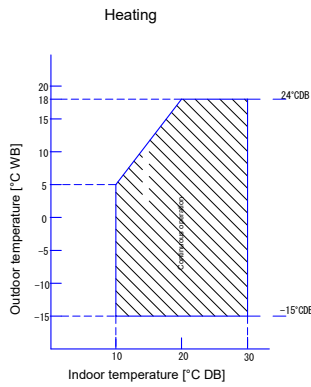
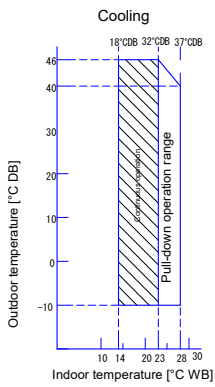
ARXM25-35R9
RXM20-35R9



Notes

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

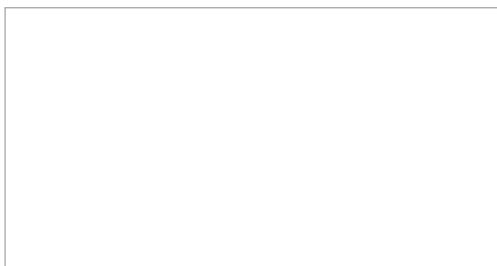
Only possible in combination with ·ATXM*N2V1B, FTXM*N2V1B, ATXM*R2V1B, ATXM*R5V1B, FTXM*R2V1B, FTXM*R5V1B·



Only possible in combination with ·ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A2V1B·

3D119882E

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EEDEN21B

10/2021



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