



Air Conditioning Technical Data RXJ-M9



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RXJ-M9

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1 Features

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- › 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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Powerful mode



Auto cooling-heating changeover



Outdoor unit silent operation

2 Specifications

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Technical specifications				FTXJ20MS + RXJ20M9	FTXJ25MS + RXJ25M9	FTXJ35MS + RXJ35M9
Indoor unit				FTXJ20MV1BS	FTXJ25MV1BS	FTXJ35MV1BS
Outdoor unit				RXJ20M5V1B9	RXJ25M5V1B9	RXJ35M5V1B9
Cooling capacity	Nom.		kW	2.30	2.40	3.50
Cooling capacity - Low sound mode	Min.		kcal/h	-	-	-
(Stb. 2020, 189)	Nom.		kW	2.30	2.40	3.50
	Max.		kcal/h	-	-	-
Heating capacity	Nom.		kW	2.50	3.20	4.00
Heating capacity - Low sound mode	Nom.		kW	2.50	3.20	4.00
(Stb. 2020, 189)						
Power input	Cooling	Nom.	kW	0.50	0.51	0.86
	Heating	Nom.	kW	0.50	0.70	0.99
Power input - Low sound mode	Cooling	Nom.	kW	0.50	0.51	0.86
(Stb. 2020, 189)	Heating	Nom.	kW	0.50	0.70	0.99
Nominal efficiency	EER			4.64	4.73	4.09
	COP			5.00	4.57	4.04
	Annual energy consumption		kWh	248	254	428
	Energy labeling	Cooling			A	
	Directive	Heating			A	
Nominal efficiency - Low sound mode	EER			4.64	4.73	4.09
(Stb. 2020, 189)	COP			5.00	4.57	4.04
	Annual energy consumption		kWh	248	254	428
Space cooling	Energy efficiency class			A+++		A++
	Capacity	Pdesign	kW	2.30	2.40	3.50
	SEER			8.73	8.64	7.19
	Annual energy consumption		kWh/a	92	97	170
Space cooling - Low sound mode	Capacity	Pdesign	kW	2.30	2.40	3.50
(Stb. 2020, 189)	SEER			8.73	8.64	7.19
	Annual energy consumption		kWh/a	92	97	170
Space heating	Capacity	Pdesign	kW	2.10	2.70	3.00
(Average climate)	Energy efficiency class			A++		
	SCOP/A			4.61		4.60
	SCOPnet/A			4.65	4.66	4.64
	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61
	Annual energy consumption		kWh/a	638	822	913
	Required back up heating cap at design conditions		kW	0.30	0.52	0.39
Space heating (Average climate) - Low sound mode	Capacity	Pdesign	kW	2.10	2.70	3.00
(Stb. 2020, 189)	SCOP/A			4.61		4.60
Space heating (Average climate)	SCOPnet/A			4.65	4.66	4.64
	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61
- Low sound mode	Annual energy consumption		kWh/a	638	822	913
(Stb. 2020, 189)	Required back up heating cap at design conditions		kW	0.30	0.52	0.39
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.07	1.40	1.53
	Energy efficiency class			A++		A+++
	SCOP			5.00	5.21	5.32
	SCOPnet			5.11	5.30	5.41
	Annual energy consumption		kWh/a	300	376	403
	Required back up heating cap at design conditions		kW		0.00	
Space heating (Warm climate) - Low sound mode	Capacity	Pdesign	kW	1.07	1.40	1.53
(Stb. 2020, 189)	SCOP			5.00	5.21	5.32
	SCOPnet			5.11	5.30	5.41
	Annual energy consumption		kWh/a	300	376	403
	Required back up heating cap at design conditions		kW		0.00	
Space cooling	A Condi- tion (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50
		EERd		4.64	4.73	4.09
		Power input	kW	0.50	0.51	0.86
	B Condi- tion (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53
		EERd		7.67	7.33	5.44
		Power input	kW	0.21	0.23	0.47
	C Condi- tion (25°C - 27/19)	Pdc	kW		1.27	1.66
		EERd		10.69	10.55	7.88
		Power input	kW		0.12	0.21
	D Condi- tion (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46
		EERd		14.25	14.16	13.76
		Power input	kW		0.10	0.11

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Technical specifications				FTXJ20MS + RXJ20M9	FTXJ25MS + RXJ25M9	FTXJ35MS + RXJ35M9	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condi- tion (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	
		EERd		4.64	4.73	4.09	
		Power input	kW	0.50	0.51	0.86	
	B Condi- tion (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	
		EERd		7.67	7.33	5.44	
		Power input	kW	0.21	0.23	0.47	
	C Condi- tion (25°C - 27/19)	Pdc	kW		1.27	1.66	
		EERd		10.69	10.55	7.88	
		Power input	kW		0.12	0.21	
D Condi- tion (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46		
	EERd		14.25	14.16	13.76		
Space cooling - Low sound mode (Stb. 2020, 189)	D Condi- tion (20°C - 27/19)	Power input	kW	0.10		0.11	
		TOL	Tol (temperature operating limit) °C		-15		
Space heating (Average climate)	TBivalent	Pdh (declared heating cap)	kW	1.68	1.95	2.56	
		COPd (declared COP)		2.69	2.47	2.41	
		Power input	kW	0.62	0.79	1.06	
		Tbiv (bivalent temperature)	°C		-7		
	A Condi- tion (-7°C)	Pdh (declared heating cap)	kW	1.87	2.31	2.64	
		COPd (declared COP)		3.40	3.10	3.10	
		Power input	kW	0.55	0.75	0.85	
		Pdh (declared heating cap)	kW	1.87	2.31	2.64	
	B Condi- tion (2°C)	COPd (declared COP)		3.40	3.10	3.10	
		Power input	kW	0.55	0.75	0.85	
		Pdh (declared heating cap)	kW	1.07	1.40	1.53	
	C Condi- tion (7°C)	COPd (declared COP)		4.89	4.87	4.80	
		Power input	kW	0.22	0.29	0.32	
		Pdh (declared heating cap)	kW		1.00	1.07	
	D Condi- tion (12°C)	COPd (declared COP)		5.37		5.40	
		Power input	kW	0.19		0.20	
		Pdh (declared heating cap)	kW	0.96		0.99	
	Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TBivalent	COPd (declared COP)		6.36		6.42
			Power input	kW		0.15	
			TOL	Tol (temperature operating limit) °C		-15	
			Pdh (declared heating cap)	kW	1.68	1.95	2.56
		A Condi- tion (-7°C)	COPd (declared COP)		2.69	2.47	2.41
			Power input	kW	0.62	0.79	1.06
			Tbiv (bivalent temperature)	°C		-7	
Pdh (declared heating cap)			kW	1.87	2.31	2.64	
B Condi- tion (2°C)		COPd (declared COP)		3.40	3.10	3.10	
		Power input	kW	0.55	0.75	0.85	
		Pdh (declared heating cap)	kW	1.87	2.31	2.64	
		COPd (declared COP)		3.40	3.10	3.10	
C Condi- tion (7°C)		Power input	kW	0.55	0.75	0.85	
		Pdh (declared heating cap)	kW	1.07	1.40	1.53	
		COPd (declared COP)		4.89	4.86	4.80	
D Condi- tion (12°C)		Power input	kW	0.22	0.29	0.32	
		Pdh (declared heating cap)	kW		1.00	1.07	
		COPd (declared COP)		5.37		5.40	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		C Condi- tion (7°C)	Power input	kW	0.19		0.20
			Pdh (declared heating cap)	kW	0.96		0.99
		D Condi- tion (12°C)	COPd (declared COP)		6.36		6.42
			Power input	kW		0.15	

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Technical specifications				FTXJ20MS + RXJ20M9	FTXJ25MS + RXJ25M9	FTXJ35MS + RXJ35M9	
Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C		-15			
		Pdh (declared heating cap) kW		1.68	1.95	2.56	
		COPd (declared COP)		2.69	2.47	2.41	
		Power input kW		0.62	0.79	1.06	
	TBivalent	Tbiv (bivalent temperature) °C		2			
		Pdh (declared heating cap) kW		1.07	1.40	1.53	
		COPd (declared COP)		4.89	4.87	4.80	
		Power input kW		0.22	0.29	0.32	
	B Condi- tion (2°C)	Pdh (declared heating cap) kW		1.07	1.40	1.53	
		COPd (declared COP)		4.89	4.87	4.80	
		Power input kW		0.22	0.29	0.32	
	C Condi- tion (7°C)	Pdh (declared heating cap) kW		1.00		1.07	
		COPd (declared COP)		5.37		5.40	
		Power input kW		0.19		0.20	
	D Condi- tion (12°C)	Pdh (declared heating cap) kW		0.96		0.99	
COPd (declared COP)		6.36		6.42			
Power input kW			0.15				
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit) °C		-15			
		Pdh (declared heating cap) kW		1.68	1.95	2.56	
		COPd (declared COP)		2.69	2.47	2.41	
		Power input kW		0.62	0.79	1.06	
	TBivalent	Tbiv (bivalent temperature) °C		2			
		Pdh (declared heating cap) kW		1.07	1.40	1.53	
		COPd (declared COP)		4.89	4.86	4.80	
		Power input kW		0.22	0.29	0.32	
	B Condi- tion (2°C)	Pdh (declared heating cap) kW		1.07	1.40	1.53	
		COPd (declared COP)		4.89	4.86	4.80	
		Power input kW		0.22	0.29	0.32	
	C Condi- tion (7°C)	Pdh (declared heating cap) kW		1.00		1.07	
		COPd (declared COP)		5.37		5.40	
		Power input kW		0.19		0.20	
	D Condi- tion (12°C)	Pdh (declared heating cap) kW		0.96		0.99	
COPd (declared COP)		6.36		6.42			
Power input kW			0.15				
Power consump- tion in other than active mode	Crankcase heater mode	PCK	W	0.0			
		POFF	W	1.0			
	Standby mode	Cooling	PSB	W	1.0		
		PTO	Heating	W	9.0		
Cooling	Cdc (Degradation cooling)		0.25				
Heating	Cdh (Degradation heating)		0.25				
Cooling function included				Yes			
Heating function included				Yes			
Average climate included				Yes			
Cold season included				No			
Warm season included				Yes			
Ecolabel logo				No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	61	63	
		Cooling	Nom.	dBa	54	59	

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				FTXJ20MW + RXJ20M9	FTXJ25MW + RXJ25M9	FTXJ35MW + RXJ35M9
Indoor unit				FTXJ20MV1BW	FTXJ25MV1BW	FTXJ35MV1BW
Outdoor unit				RXJ20M5V1B9	RXJ25M5V1B9	RXJ35M5V1B9
Cooling capacity	Nom.	kW		2.30	2.40	3.50
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kW		-	-	-
Heating capacity	Nom.	kW		2.50	3.20	4.00
	Nom.	kW		2.50	3.20	4.00
Power input	Cooling	Nom.	kW	0.50	0.51	0.86
	Heating	Nom.	kW	0.50	0.70	0.99

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Technical specifications				FTXJ20MW + RXJ20M9	FTXJ25MW + RXJ25M9	FTXJ35MW + RXJ35M9	
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.50	0.51	0.86	
	Heating	Nom.	kW	0.50	0.70	0.99	
Nominal efficiency	EER			4.64	4.73	4.09	
	COP			5.00	4.57	4.04	
	Annual energy consumption			kWh	248	254	428
	Energy labeling Directive	Cooling	A				
Heating		A					
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.64	4.73	4.09	
	COP			5.00	4.57	4.04	
	Annual energy consumption			kWh	248	254	428
Space cooling	Energy efficiency class			A+++		A++	
	Capacity	Pdesign	kW	2.30	2.40	3.50	
	SEER			8.73	8.64	7.19	
	Annual energy consumption			kWh/a	92	97	170
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.30	2.40	3.50	
	SEER			8.73	8.64	7.19	
	Annual energy consumption			kWh/a	92	97	170
Space heating (Average climate)	Capacity	Pdesign	kW	2.10	2.70	3.00	
	Energy efficiency class			A++			
	SCOP/A			4.61	4.60		
	SCOPnet/A			4.65	4.66	4.64	
	Pdh Heating capacity at -10°	kW		1.80	2.18	2.61	
	Annual energy consumption			kWh/a	638	822	913
	Required back up heating cap at design conditions			kW	0.30	0.52	0.39
	Capacity	Pdesign	kW	2.10	2.70	3.00	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOP/A			4.61	4.60		
	SCOPnet/A			4.65	4.66	4.64	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Pdh Heating capacity at -10°		kW	1.80	2.18	2.61	
	Annual energy consumption			kWh/a	638	822	913
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Required back up heating cap at design conditions			kW	0.30	0.52	0.39
	Capacity	Pdesign	kW	1.07	1.40	1.53	
Space heating (Warm climate)	Energy efficiency class			A++		A+++	
	SCOP			5.00	5.21	5.32	
	SCOPnet			5.11	5.30	5.41	
	Annual energy consumption			kWh/a	300	376	403
	Required back up heating cap at design conditions			kW	0.00		
	Capacity	Pdesign	kW	1.07	1.40	1.53	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	SCOP			5.00	5.21	5.32	
	SCOPnet			5.11	5.30	5.41	
	Annual energy consumption			kWh/a	300	376	403
	Required back up heating cap at design conditions			kW	0.00		
	Capacity	Pdesign	kW	1.07	1.40	1.53	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	
		EERd		4.64	4.73	4.09	
		Power input	kW	0.50	0.51	0.86	
	B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	
		EERd		7.67	7.33	5.44	
		Power input	kW	0.21	0.23	0.47	
	C Condition (25°C - 27/19)	Pdc	kW		1.27	1.66	
		EERd		10.69	10.55	7.88	
		Power input	kW		0.12	0.21	
	D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	
		EERd		14.25	14.16	13.76	
		Power input	kW		0.10	0.11	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.30	2.40	3.50	
		EERd		4.64	4.73	4.09	
		Power input	kW	0.50	0.51	0.86	
	B Condition (30°C - 27/19)	Pdc	kW	1.62	1.70	2.53	
		EERd		7.67	7.33	5.44	
		Power input	kW	0.21	0.23	0.47	
	C Condition (25°C - 27/19)	Pdc	kW		1.27	1.66	
		EERd		10.69	10.55	7.88	
		Power input	kW		0.12	0.21	
	D Condition (20°C - 27/19)	Pdc	kW	1.36	1.37	1.46	

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Technical specifications			FTXJ20MW + RXJ20M9	FTXJ25MW + RXJ25M9	FTXJ35MW + RXJ35M9
Space cooling - Low sound mode (Stb. 2020, 189)	D Condition (20°C - 27/19)	EERd	14.25	14.16	13.76
		Power input kW		0.10	0.11
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C		-15	
		Pdh (declared heating cap) kW	1.68	1.95	2.56
		COPd (declared COP)	2.69	2.47	2.41
		Power input kW	0.62	0.79	1.06
	TBivalent	Tbiv (bivalent temperature) °C		-7	
		Pdh (declared heating cap) kW	1.87	2.31	2.64
		COPd (declared COP)	3.40		3.10
	A Condition (-7°C)	Power input kW	0.55	0.75	0.85
		Pdh (declared heating cap) kW	1.87	2.31	2.64
		COPd (declared COP)	3.40		3.10
B Condition (2°C)	Power input kW	0.55	0.75	0.85	
	Pdh (declared heating cap) kW	1.07	1.40	1.53	
	COPd (declared COP)	4.89	4.87	4.80	
C Condition (7°C)	Power input kW	0.22	0.29	0.32	
	Pdh (declared heating cap) kW		1.00	1.07	
	COPd (declared COP)		5.37	5.40	
D Condition (12°C)	Power input kW		0.19	0.20	
	Pdh (declared heating cap) kW		0.96	0.99	
	COPd (declared COP)		6.36	6.42	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		Power input kW		0.15	
	TOL	Tol (temperature operating limit) °C		-15	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Pdh (declared heating cap) kW	1.68	1.95	2.56
		COPd (declared COP)	2.69	2.47	2.41
		Power input kW	0.62	0.79	1.06
		TBivalent	Tbiv (bivalent temperature) °C		-7
	TBivalent	Pdh (declared heating cap) kW	1.87	2.31	2.64
		COPd (declared COP)	3.40		3.10
		Power input kW	0.55	0.75	0.85
	A Condition (-7°C)	Pdh (declared heating cap) kW	1.87	2.31	2.64
		COPd (declared COP)	3.40		3.10
		Power input kW	0.55	0.75	0.85
B Condition (2°C)	Pdh (declared heating cap) kW	1.07	1.40	1.53	
	COPd (declared COP)	4.89	4.86	4.80	
	Power input kW	0.22	0.29	0.32	
C Condition (7°C)	Pdh (declared heating cap) kW		1.00	1.07	
	COPd (declared COP)		5.37	5.40	
	Power input kW		0.19	0.20	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	D Condition (12°C)	Pdh (declared heating cap) kW	0.96	0.99	0.99
		COPd (declared COP)	6.36		6.42
		Power input kW		0.15	
Space heating (Warm climate)		TOL		-15	
		Tol (temperature operating limit) °C		-15	
Space heating (Warm climate)	TOL	Pdh (declared heating cap) kW	1.68	1.95	2.56
		COPd (declared COP)	2.69	2.47	2.41
		Power input kW	0.62	0.79	1.06
		TBivalent	Tbiv (bivalent temperature) °C		2
	TBivalent	Pdh (declared heating cap) kW	1.07	1.40	1.53
		COPd (declared COP)	4.89	4.87	4.80
		Power input kW	0.22	0.29	0.32
	B Condition (2°C)	Pdh (declared heating cap) kW	1.07	1.40	1.53
		COPd (declared COP)	4.89	4.87	4.80
		Power input kW	0.22	0.29	0.32
C Condition (7°C)	Pdh (declared heating cap) kW		1.00	1.07	
	COPd (declared COP)		5.37	5.40	
	Power input kW		0.19	0.20	
D Condition (12°C)	Pdh (declared heating cap) kW		0.96	0.99	
	COPd (declared COP)		6.36	6.42	
	Power input kW			0.15	

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Technical specifications				FTXJ20MW + RXJ20M9	FTXJ25MW + RXJ25M9	FTXJ35MW + RXJ35M9
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating °C limit)		-15		
		Pdh (declared heating cap) kW		1.68	1.95	2.56
		COPd (declared COP)		2.69	2.47	2.41
	Power input kW		0.62	0.79	1.06	
	TBivalent	Tbiv (bivalent temperature) °C		2		
		Pdh (declared heating cap) kW		1.07	1.40	1.53
		COPd (declared COP)		4.89	4.86	4.80
		Power input kW		0.22	0.29	0.32
	B Condi- tion (2°C)	Pdh (declared heating cap) kW		1.07	1.40	1.53
		COPd (declared COP)		4.89	4.86	4.80
Power input kW		0.22	0.29	0.32		
C Condi- tion (7°C)	Pdh (declared heating cap) kW		1.00		1.07	
	COPd (declared COP)		5.37		5.40	
	Power input kW		0.19		0.20	
D Condi- tion (12°C)	Pdh (declared heating cap) kW		0.96		0.99	
	Power input kW			0.15		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	D Condi- tion (12°C)	COPd (declared COP)		6.36		6.42
		Power input kW			0.15	
Power consump- tion in other than active mode	Crankcase heater mode	PCK		W		
		POFF		W		
	Standby mode	Cooling PSB		W		
		Heating		W		
Thermostat-off mode	PTO		W			
	Heating		W			
Cooling	Cdc (Degradation cooling)		0.25			
Heating	Cdh (Degradation heating)		0.25			
Cooling function included			Yes			
Heating function included			Yes			
Average climate included			Yes			
Cold season included			No			
Warm season included			Yes			
Ecolabel logo			No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	61	63
		Cooling	Nom.	dBa	54	59

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				RXJ20M9	RXJ25M9	RXJ35M9	
Casing	Colour			Ivory white			
Dimensions	Unit	Height		550			
		Width		840			
		Depth		350			
	Packed unit	Height		612			
		Width		906			
		Depth		402			
Weight	Unit		kg				
	Packed unit		kg				
Heat exchanger	Length		mm				
	Rows	Quantity		2			
		Fin pitch		mm			
	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	34.0	36.0	
				cfm	1,201	1,271	
Heating		Nom.	m ³ /min	28.3			
			cfm	999			
Fan motor	Model		DFC05A3VA				
	Output		W				
	Speed	Cooling	High	rpm	920		
			Nom.	rpm	860	920	
			Low	rpm	640		
		Heating	High	rpm	860		
			Nom.	rpm	800		
Low			rpm	380			

2 Specifications

1 - 1 RXJ-M9

Technical Specifications					RXJ20M9	RXJ25M9	RXJ35M9
Compressor	Model		1YC25GXD#D				
	Type		Hermetically sealed swing compressor				
	Output		W 800.0				
Operation range	Cooling	Ambient	Min.	°CDB		-10	
			Max.	°CDB		46	
	Heating	Ambient	Min.	°CDB		-15	
			Max.	°CDB		24	
Sound power level	Cooling	Max		dBA		60	61
		Night quiet mode		dBA		56	
	Heating	Max		dBA		60	61
		Nom.		dBA		59.0	61.0
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max		dBA		59.0	60.0
		Night quiet mode		dBA		55.0	
	Heating	Max		dBA		59.0	60.0
		Night quiet mode		dBA		55.0	
Sound pressure level	Cooling	Nom.		dBA		46.0	49.0
	Heating	Nom.		dBA		47.0	49.0
Refrigerant	Type		R-32				
	Charge		kg		0.76		
	Charge		TCO2Eq		0.52		
	Control		Expansion valve				
	GWP		675.0				
Piping connections	Liquid	OD	mm		6.35		
	Gas	OD	mm		9.50		
	Drain	OD	mm		18		
	Piping length	OU - IU	Max.		m 20		
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.		m 15.0		
	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				RXJ20M9	RXJ25M9	RXJ35M9
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			

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

3 Electrical data

3 - 1 Electrical Data

3

RXJ20-35M9

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Outdoor unit	Indoor unit	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXJ20MV1BW FTXJ20MV1BS	RXJ20M5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	9,88	10	40	2,4	0,023	0,11	0,029	0,15
		50	230					2,3				
FTXJ25MV1BW FTXJ25MV1BS	RXJ25M5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	11,17	13	44	2,7	0,023	0,11	0,029	0,15
		50	230					2,6				
FTXJ35MV1BW FTXJ35MV1BS	RXJ35M5V1B9	50	220	Maximum ·50-Hz ·264-V Minimum ·50-Hz ·198-V	12,29	13	67	4,3	0,023	0,11	0,029	0,15
		50	230					4,1				
		50	240					4,0				

Symbols

- ① Hz
- ② Voltage
- ③ Voltage range

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

Notes

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

4D133685

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXJ20MW / RXJ20M9

FTXJ20MS / RXJ20M9

Cooling · 220-240V 50Hz·

AFR	8,9
BF	0,11

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
20	14	2,36	1,96	0,38	2,25	1,91	0,42	2,14	1,86	0,46	2,10	1,84	0,47	2,04	1,82	0,49	1,93	1,77	0,53
22	16	2,46	1,93	0,39	2,36	1,88	0,42	2,25	1,84	0,46	2,21	1,82	0,47	2,14	1,79	0,50	2,03	1,75	0,53
25	18	2,57	2,05	0,39	2,46	2,01	0,42	2,35	1,97	0,46	2,31	1,95	0,48	2,25	1,93	0,50	2,14	1,88	0,54
27	19	2,62	2,19	0,39	2,51	2,15	0,43	2,41	2,11	0,46	3,26	2,10	0,48	2,30	2,07	0,50	2,19	2,03	0,54
30	22	2,78	2,13	0,39	2,67	2,09	0,43	2,57	2,05	0,47	2,52	2,04	0,48	2,46	2,02	0,50	2,35	1,98	0,54
32	24	2,89	2,08	0,39	2,78	2,05	0,43	2,67	2,01	0,47	2,63	2,00	0,48	2,56	1,98	0,51	2,46	1,95	0,54

Heating · 220-240V 50Hz·

AFR	10,2
-----	------

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,68	0,42	1,97	0,44	2,25	0,46	2,59	0,49	2,81	0,51
20	1,60	0,43	1,88	0,45	2,16	0,48	2,50	0,50	2,73	0,52
22	1,56	0,44	1,84	0,46	2,13	0,48	2,47	0,50	2,69	0,52
24	1,53	0,44	1,81	0,46	2,09	0,48	2,43	0,51	2,66	0,53
25	1,51	0,45	1,79	0,47	2,07	0,49	2,41	0,51	2,64	0,53
27	1,48	0,45	1,76	0,47	2,04	0,49	2,38	0,52	2,61	0,53

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]

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

Notes

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

4D133686

4 Capacity tables

4 - 1 Cooling Capacity Tables

4

FTXJ25MW / RXJ25M9

FTXJ25MS / RXJ25M9

AFR	8,9
BF	0,07

Cooling ·220-240V 50Hz·

1	2	3																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
20	14	2,46	2,05	0,39	2,35	2,00	0,43	2,24	1,95	0,47	2,19	1,93	0,48	2,12	1,90	0,50	2,01	1,85	0,54
22	16	2,57	2,02	0,39	2,46	1,97	0,43	2,35	1,92	0,47	2,30	1,90	0,48	2,23	1,87	0,51	2,12	1,82	0,54
25	18	2,68	2,15	0,40	2,57	2,10	0,43	2,46	2,06	0,47	2,41	2,04	0,49	2,34	2,01	0,51	2,23	1,97	0,55
27	19	2,74	2,29	0,40	2,62	2,25	0,43	2,51	2,21	0,47	2,47	2,19	0,49	2,40	2,16	0,51	2,29	2,12	0,55
30	22	2,90	2,22	0,40	2,79	2,18	0,44	2,68	2,15	0,48	2,63	2,13	0,49	2,57	2,11	0,51	2,45	2,07	0,55
32	24	3,01	2,17	0,40	2,90	2,14	0,44	2,79	2,10	0,48	2,74	2,09	0,49	2,68	2,07	0,52	2,56	2,04	0,55

Heating ·220-240V 50Hz·

AFR	11
-----	----

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,15	0,59	2,52	0,62	2,88	0,65	3,31	0,68	3,60	0,71
20	2,04	0,61	2,41	0,64	2,77	0,67	3,20	0,70	3,49	0,72
22	2,00	0,61	2,36	0,64	2,72	0,67	3,16	0,71	3,44	0,73
24	1,96	0,62	2,32	0,65	2,68	0,68	3,11	0,71	3,40	0,74
25	1,93	0,62	2,29	0,65	2,66	0,68	3,09	0,72	3,38	0,74
27	1,89	0,63	2,25	0,66	2,61	0,69	3,05	0,72	3,33	0,75

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]

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

Notes

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

4D133690

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXJ35MW / RXJ35M9

FTXJ35MS / RXJ35M9

Cooling ·220-240V 50Hz·

AFR	10,6
BF	0,10

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
20	14	3,44	2,65	0,66	3,28	2,58	0,72	3,13	2,50	0,79	3,19	2,53	0,80	3,10	2,49	0,84	2,93	2,41	0,91
22	16	3,60	2,61	0,66	3,44	2,54	0,72	3,28	2,47	0,79	3,36	2,50	0,80	3,26	2,46	0,84	3,10	2,38	0,91
25	18	3,75	2,75	0,67	3,59	2,68	0,73	3,44	2,62	0,79	3,52	2,65	0,81	3,42	2,61	0,85	3,26	2,54	0,91
27	19	3,83	2,91	0,67	3,67	2,85	0,73	3,51	2,79	0,79	3,60	2,82	0,81	3,50	2,78	0,85	3,34	2,71	0,91
30	22	4,06	2,81	0,67	3,90	2,76	0,73	3,75	2,70	0,79	3,84	2,73	0,82	3,74	2,70	0,86	3,58	2,64	0,91
32	24	4,21	2,74	0,67	4,06	2,69	0,74	3,90	2,64	0,80	4,00	2,67	0,82	3,90	2,64	0,86	3,74	2,59	0,92

Heating ·220-240V 50Hz·

AFR	11,9
-----	------

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,69	0,84	3,14	0,88	3,60	0,92	4,14	0,97	4,50	1,00
20	2,55	0,86	3,01	0,90	3,46	0,94	4,00	0,99	4,36	1,02
22	2,50	0,87	2,95	0,91	3,40	0,95	3,94	1,00	4,31	1,03
24	2,44	0,88	2,90	0,92	3,35	0,96	3,89	1,01	4,25	1,04
25	2,42	0,88	2,87	0,92	3,32	0,96	3,86	1,01	4,22	1,04
27	2,36	0,89	2,81	0,93	3,26	0,97	3,81	1,02	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 [°C WB]

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

Notes

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

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5 Dimensional drawings

5 - 1 Dimensional Drawings

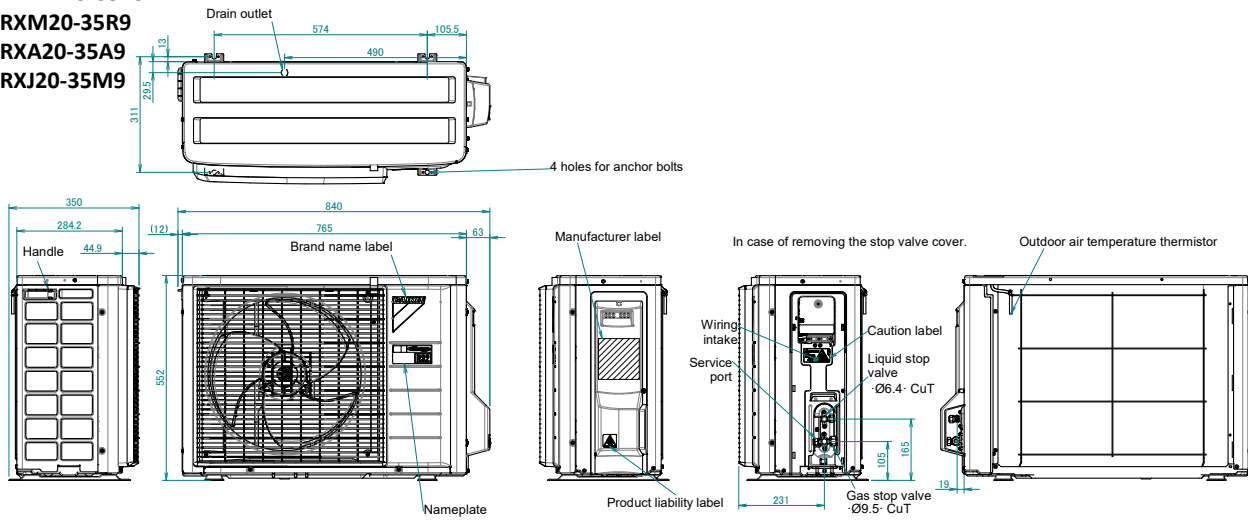
5

ARXM25-35R9

RXM20-35R9

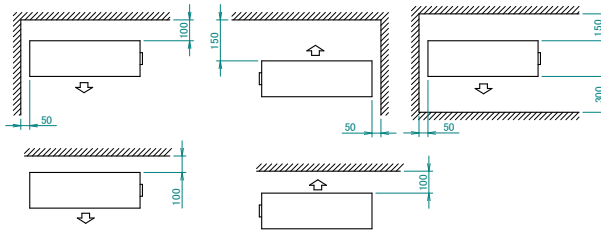
RXA20-35A9

RXJ20-35M9



Minimum space for air passage

Wall height on air outlet side < 1200 mm

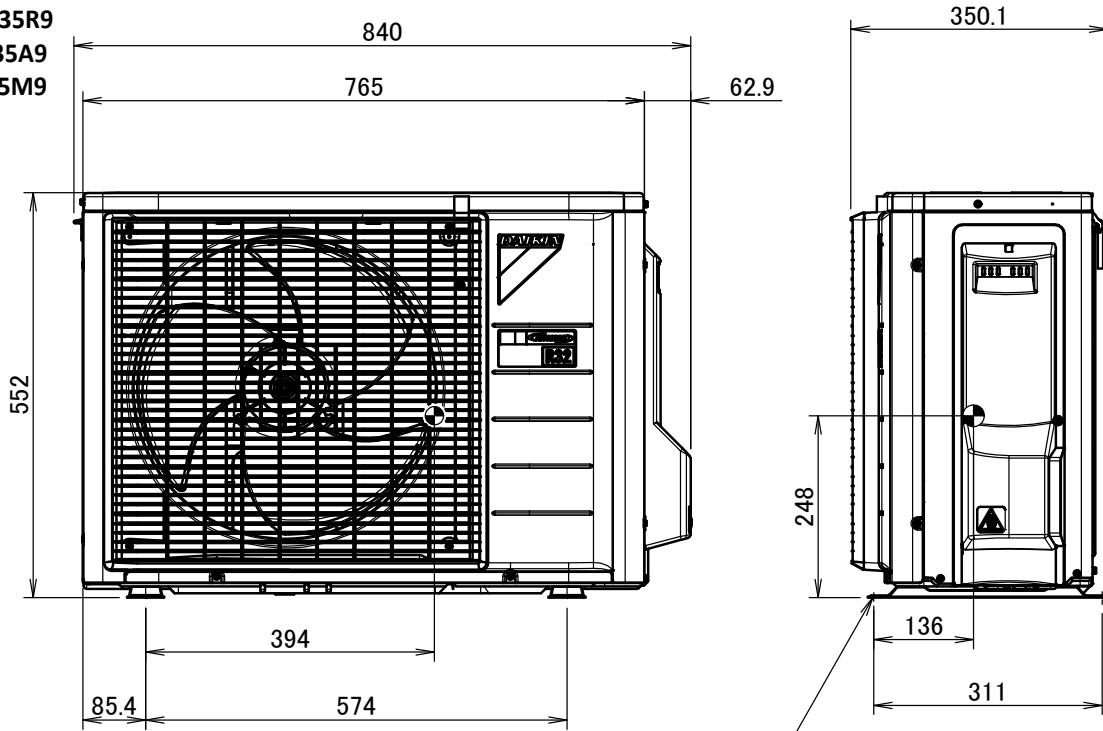


3D119881A

6 Centre of gravity

6 - 1 Centre of Gravity

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



Foundation bolt hole

4D119880

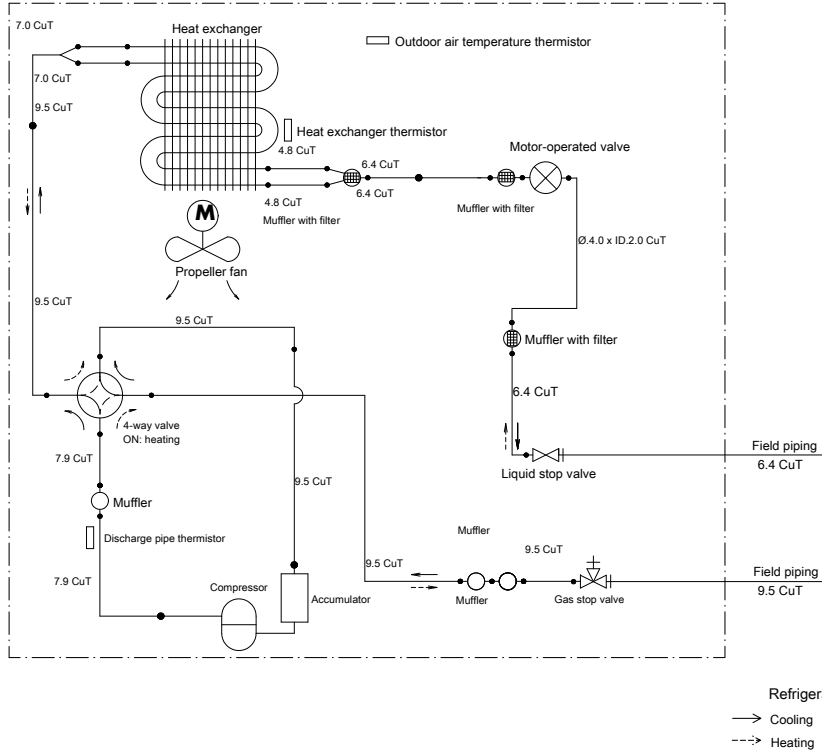
7 Piping diagrams

7 - 1 Piping Diagrams

7

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

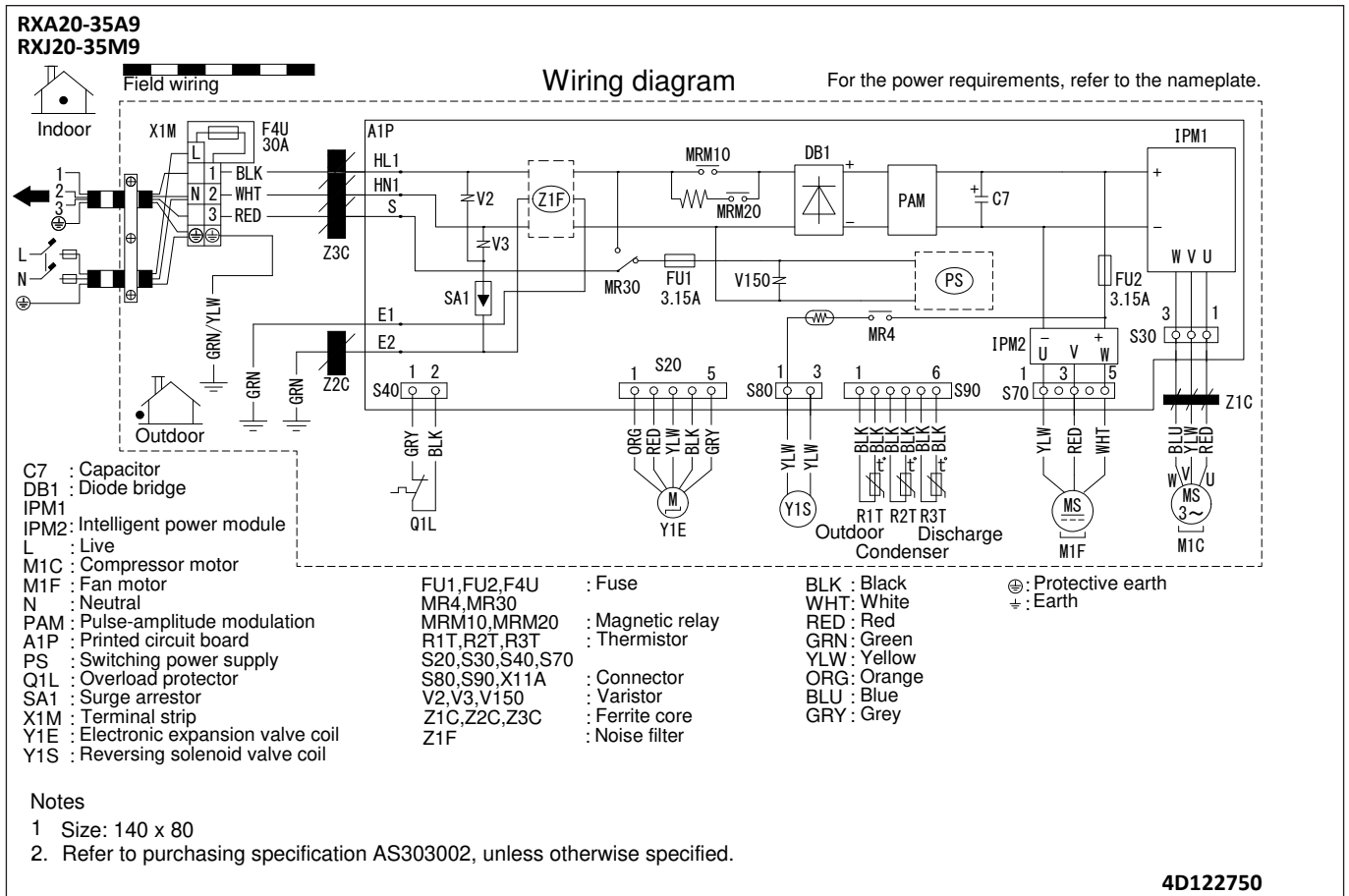
Outdoor unit



3D091995B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

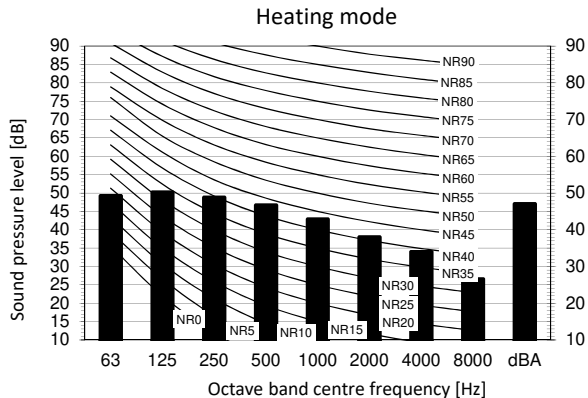
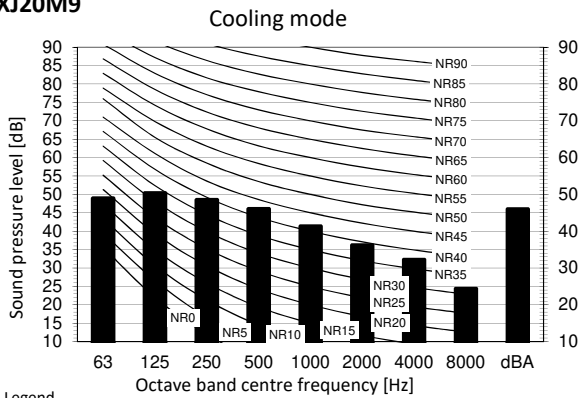


9 Sound data

9 - 1 Sound Pressure Spectrum

9

RXM20R9
RXA20A9
RXJ20M9

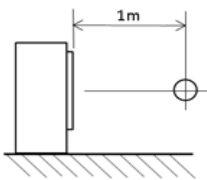


Legend

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

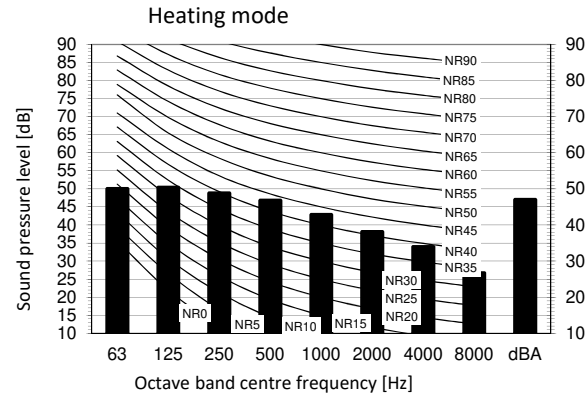
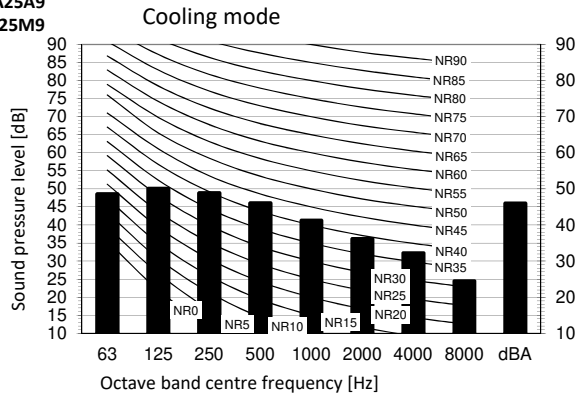
Heating		Total dB
A	B	
dBA		47

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

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ARXM25R9
RXM25R9
RXA25A9
RXJ25M9

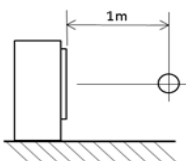


Legend

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

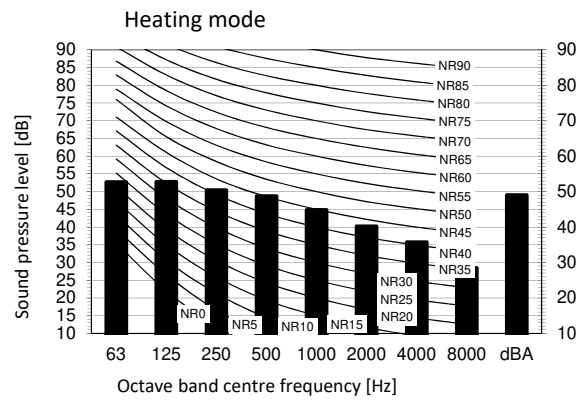
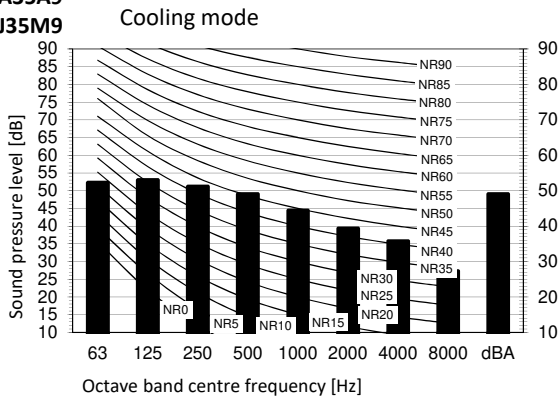
Heating		Total dB
A	B	
dBA		47

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9 Sound data

9 - 1 Sound Pressure Spectrum

ARXM35R9
RXM35R9
RXA35A9
RXJ35M9



Legend

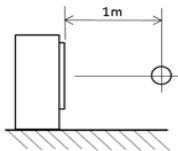
dBA = A-weighted sound pressure level (A scale according to IEC).

- 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

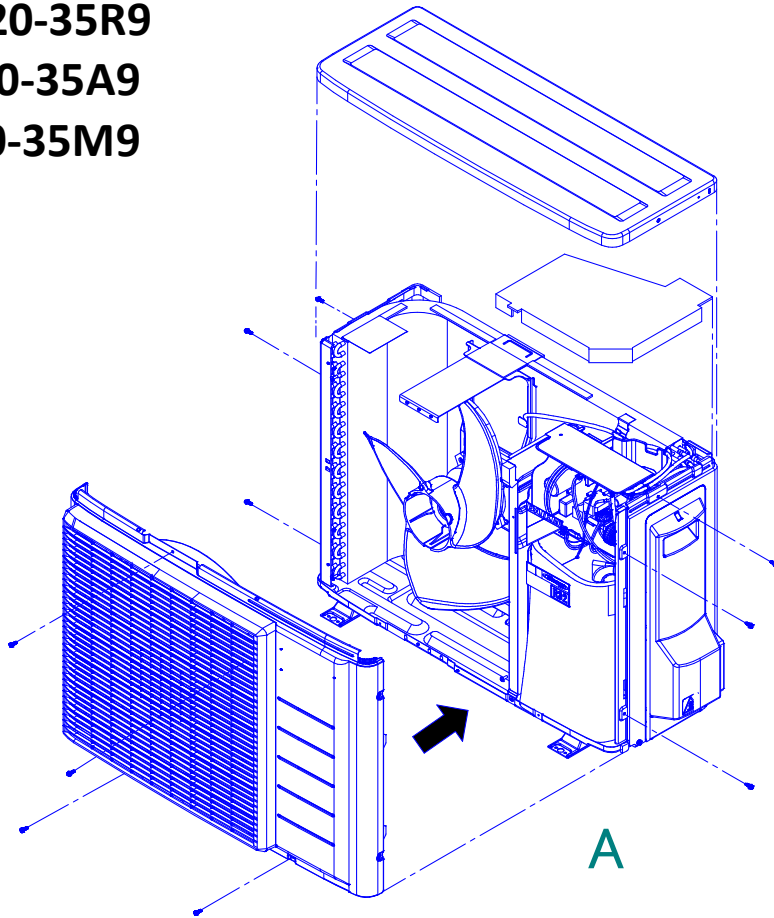
3D110123A

10 Installation

10 - 1 Installation Method

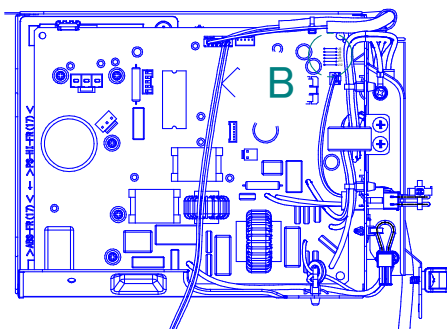
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ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9

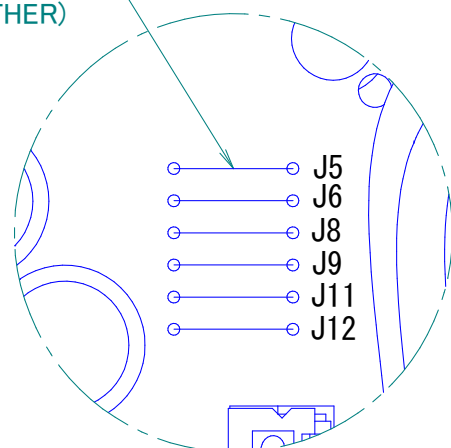


DISASSEMBLY OF UNIT

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



ARROW VIEW A
EL. COMPO. ASSY



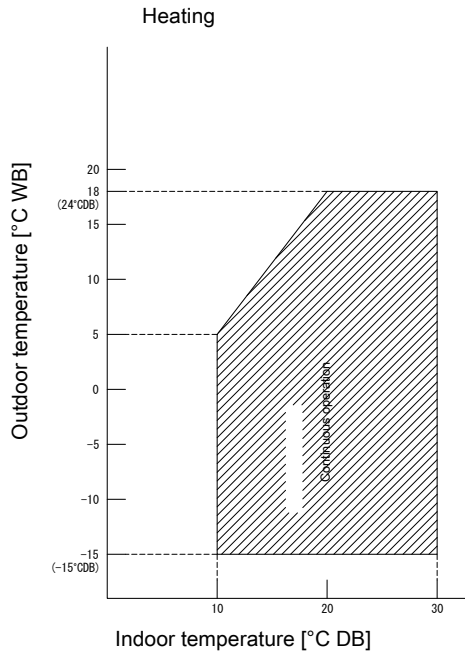
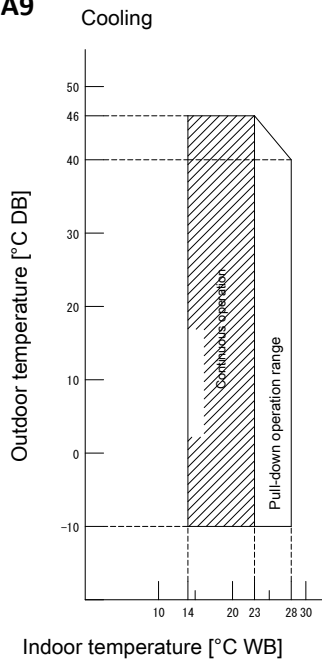
DETAIL B

4D133752

11 Operation range

11 - 1 Operation Range

RXJ20-35M9
RXA20-35A9

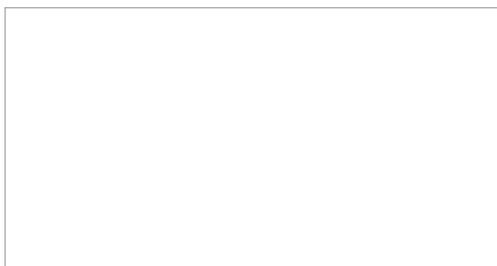


Notes

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

3D092127E

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Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate

EEEN21

04/2021



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