



Air Conditioning Technical Data RXJ-M9



TABLE OF CONTENTS

RXJ-M9

1	Features	4
	RXJ-M9	4
2	Specifications	5
3	Electrical data	15
4	Capacity tables	16
	Cooling/Heating Capacity Tables	16
5	Dimensional drawings	19
6	Centre of gravity	20
7	Piping diagrams	21
8	Wiring diagrams	22
	Wiring Diagrams - Single Phase	22
9	Sound data	23
	Sound Pressure Spectrum	23
10	Installation	25
	Installation Method	25
11	Operation range	26

1 Features

1 - 1 RXJ-M9

- > 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

1



Powerful mode



Auto cooling-heating changeover



Outdoor unit silent operation

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AB + RXJ20M9	FTXJ25AB + RXJ25M9	FTXJ35AB + RXJ35M9	
Indoor unit				FTXJ20A2V1BB	FTXJ25A2V1BB	FTXJ35A2V1BB	
Outdoor unit				RXJ20M5V1B9	RXJ25M5V1B9	RXJ35M5V1B9	
Cooling capacity	Nom.		kW	2.30	2.40	3.50	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-	-	-	
	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 (Stb. 2020, 189)	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	
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	
	SCOP/A			4.61		4.60	
	Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	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 (Warm climate)		Capacity	Pdesign	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		
	Capacity	Pdesign	kW	1.07	1.40	1.53	
	SCOP			5.00	5.21	5.32	
	SCOPnet			5.11	5.30	5.41	
	Annual energy consumption		kWh/a	300	376	403	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	Required back up heating cap at design conditions		kW		0.00		
	Capacity	Pdesign	kW	1.07	1.40	1.53	
	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 Condition	Pdc	kW	2.30	2.40	3.50
		(35°C - 27/19)	EERd		4.64	4.73	4.09
			Power input	kW	0.50	0.51	0.86
		B Condition	Pdc	kW	1.62	1.70	2.53
(30°C - 27/19)		EERd		7.67	7.33	5.44	
		Power input	kW	0.21	0.23	0.47	
C Condition		Pdc	kW		1.27	1.66	
(25°C - 27/19)		EERd		10.69	10.55	7.88	
		Power input	kW		0.12	0.21	
D Condition		Pdc	kW	1.36	1.37	1.46	
(20°C - 27/19)	EERd		14.25	14.16	13.76		
	Power input	kW		0.10	0.11		

2 Specifications

2 - 1 Specifications

Technical specifications			FTXJ20AB + RXJ20M9	FTXJ25AB + RXJ25M9	FTXJ35AB + RXJ35M9		
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	
		EERd		14.25	14.16	13.76	
	Space cooling - Low sound mode (Stb. 2020, 189)	D Condition (20°C - 27/19)	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	
		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	4.87	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		
	Space heating (Average 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		-7		
		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	
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		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		C Condition (7°C)	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
		D Condition (12°C)	COPd (declared COP)		6.36	6.42	
	Power input		kW		0.15		
	TOL		Tol (temperature operating limit)	°C		-15	
	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		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
	B Condition (2°C)	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		

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AB + RXJ20M9	FTXJ25AB + RXJ25M9	FTXJ35AB + RXJ35M9	
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 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		
D Condition (12°C)	Pdh (declared heating cap)		kW	0.96	0.99		
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	D Condition (12°C)	Power input		kW	0.15		
		COPd (declared COP)			6.36	6.42	
Power consumption in other than active mode	Cranksase heater mode	PCK	W	0.0			
	Off mode	POFF	W	1.0			
	Standby mode	Cooling PSB	W	1.0			
	Thermo-stat-off mode	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	
	Sound power level indoor	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				FTXJ20AS + RXJ20M9	FTXJ25AS + RXJ25M9	FTXJ35AS + RXJ35M9	
Indoor unit				FTXJ20A2V1BS	FTXJ25A2V1BS	FTXJ35A2V1BS	
Outdoor unit				RXJ20M5V1B9	RXJ25M5V1B9	RXJ35M5V1B9	
Cooling capacity	Nom.			kW	2.30	2.40	3.50
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.			kcal/h	-		
	Nom.			kW	2.30	2.40	3.50
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
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

2 Specifications

2 - 1 Specifications

2

Technical specifications			FTXJ20AS + RXJ20M9	FTXJ25AS + RXJ25M9	FTXJ35AS + RXJ35M9	
Space cooling	Energy efficiency class		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	
	SCOP/A		4.61	4.60		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	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 (Warm climate)	Capacity Pdesignh	kW	1.07	1.40	1.53	
	Energy efficiency class		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	
	SCOP		5.00	5.21	5.32	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	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 Pdc	kW	2.30	2.40	3.50	
Space cooling	A Condition (35°C - 27/19)	EERd	4.64	4.73	4.09	
		Power input	kW	0.50	0.51	0.86
		Capacity Pdc	kW	1.62	1.70	2.53
	B Condition (30°C - 27/19)	EERd	7.67	7.33	5.44	
		Power input	kW	0.21	0.23	0.47
		Capacity Pdc	kW		1.27	1.66
	C Condition (25°C - 27/19)	EERd	10.69	10.55	7.88	
		Power input	kW		0.12	0.21
		Capacity Pdc	kW	1.36	1.37	1.46
D Condition (20°C - 27/19)	EERd	14.25	14.16	13.76		
	Power input	kW		0.10	0.11	
	Capacity Pdc	kW	2.30	2.40	3.50	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	EERd	4.64	4.73	4.09	
		Power input	kW	0.50	0.51	0.86
		Capacity Pdc	kW	1.62	1.70	2.53
	B Condition (30°C - 27/19)	EERd	7.67	7.33	5.44	
		Power input	kW	0.21	0.23	0.47
		Capacity Pdc	kW		1.27	1.66
	C Condition (25°C - 27/19)	EERd	10.69	10.55	7.88	
		Power input	kW		0.12	0.21
		Capacity Pdc	kW	1.36	1.37	1.46
D Condition (20°C - 27/19)	EERd	14.25	14.16	13.76		
	Power input	kW		0.10	0.11	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AS + RXJ20M9	FTXJ25AS + RXJ25M9	FTXJ35AS + RXJ35M9	
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	
		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	4.87	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	
	Space heating (Average 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		-7		
		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	
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	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		C Condition (7°C)	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		
	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 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	

2 Specifications

2 - 1 Specifications

2

Technical specifications				FTXJ20AS + RXJ20M9	FTXJ25AS + RXJ25M9	FTXJ35AS + RXJ35M9	
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 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		
D Condition (12°C)	Pdh (declared heating cap)		kW	0.96		0.99	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	D Condition (12°C)	Power input		kW	0.15		
		COPd (declared COP)			6.36		6.42
Power consumption in other than active mode	Cranksase heater mode	PCK	W		0.0		
	Off mode	POFF	W		1.0		
	Standby mode	Cooling PSB	W		1.0		
	Thermo-stat-off mode	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.	dB(A)	61	63	
	Sound power level indoor	Cooling	Nom.	dB(A)	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				FTXJ20AW + RXJ20M9	FTXJ25AW + RXJ25M9	FTXJ35AW + RXJ35M9	
Indoor unit				FTXJ20A2V1BW	FTXJ25A2V1BW	FTXJ35A2V1BW	
Outdoor unit				RXJ20M5V1B9	RXJ25M5V1B9	RXJ35M5V1B9	
Cooling capacity	Nom.			kW	2.30	2.40	3.50
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.			kcal/h		-	
	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 (Stb. 2020, 189)	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
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

2 Specifications

2 - 1 Specifications

Technical specifications			FTXJ20AW + RXJ20M9	FTXJ25AW + RXJ25M9	FTXJ35AW + RXJ35M9		
Space cooling	Energy efficiency class		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	
	SCOP/A			4.61	4.60		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	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 (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		
	Capacity	Pdesign	kW	1.07	1.40	1.53	
	SCOP			5.00	5.21	5.32	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)	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		
	SCOP			5.00	5.21	5.32	
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	
		EERd		14.25	14.16	13.76	
		Power input	kW		0.10	0.11	
Space cooling - Low sound mode (Stb. 2020, 189)		D Condition (20°C - 27/19)	EERd		14.25	14.16	13.76
		(20°C - 27/19)	Power input	kW		0.10	0.11

2 Specifications

2 - 1 Specifications

2

Technical specifications				FTXJ20AW + RXJ20M9	FTXJ25AW + RXJ25M9	FTXJ35AW + RXJ35M9
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
		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	4.87	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
	Space heating (Average 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		-7	
		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
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
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		C Condition (7°C)	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	
	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 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

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AW + RXJ20M9	FTXJ25AW + RXJ25M9	FTXJ35AW + RXJ35M9	
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
	TBivalent	Power input		kW	0.62	0.79	1.06
		Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.07	1.40	1.53
	B Condition (2°C)	COPd (declared COP)			4.89	4.86	4.80
		Power input		kW	0.22	0.29	0.32
		Pdh (declared heating cap)		kW	1.07	1.40	1.53
	C Condition (7°C)	COPd (declared COP)			4.89	4.86	4.80
		Power input		kW	0.22	0.29	0.32
		Pdh (declared heating cap)		kW		1.00	1.07
	D Condition (12°C)	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	
	D Condition (12°C)	Power input		kW		0.15	
Space heating (Warm climate) - Low sound mode (Stb. 2020, 189)		COPd (declared COP)			6.36		6.42
	Power consumption in other than active mode	Crankcase heater mode	PCK	W		0.0	
Off mode		POFF	W		1.0		
Standby mode		Cooling PSB	W		1.0		
Thermo-stat-off mode		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.	dB(A)	61	63	
		Cooling	Nom.	dB(A)	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	mm	550		
		Width	mm	840		
		Depth	mm	350		
	Packed unit	Height	mm	612		
		Width	mm	906		
		Depth	mm	402		
Weight	Unit			32		
	Packed unit			34		
Heat exchanger	Length		mm	805		
	Rows	Quantity		2		
	Fin pitch		mm	1.40		
	Stages	Quantity		24		
	Passes	Quantity		3.0		
	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		

2 Specifications

2 - 1 Specifications

2

Technical Specifications				RXJ20M9	RXJ25M9	RXJ35M9	
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				
Compressor	Model			1YC25GXD#D			
	Type			Hermetically sealed swing compressor			
	Output			W			
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CDB	-15		
			Max.	°CDB	24		
Sound power level	Cooling	Max	dB(A)	60	61		
		Night quiet mode	dB(A)	56			
		Tonal adjustment	dB(A)	0			
	Heating	Max	dB(A)	60	61		
		Nom.	dB(A)	59.0	61.0		
		Night quiet mode	dB(A)	56			
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dB(A)	59.0	60.0		
		Night quiet mode	dB(A)	55.0			
		Tonal adjustment	dB(A)	0			
	Heating	Max.	dB(A)	59.0	60.0		
		Night quiet mode	dB(A)	55.0			
		Tonal adjustment	dB(A)	0			
Sound pressure level	Cooling	Nom.	dB(A)	46.0	49.0		
	Heating	Nom.	dB(A)	47.0	49.0		
Refrigerant	Type			R-32			
	Charge			kg			
	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		
	Voltage			V		
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

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/Heating Capacity Tables

4

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/Heating Capacity Tables

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/Heating Capacity Tables

4

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

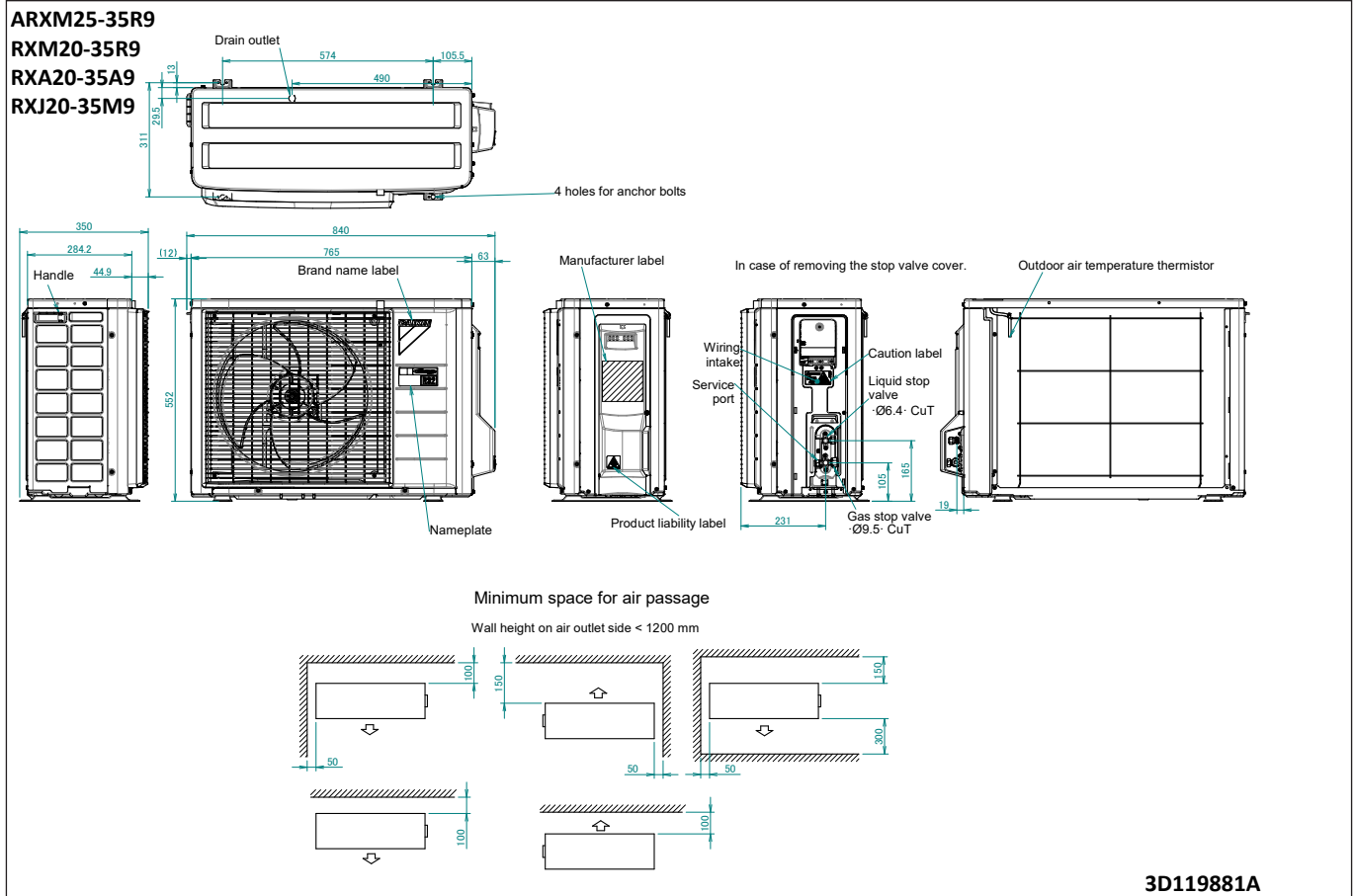
Notes

- 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]

4D133688

5 Dimensional drawings

5 - 1 Dimensional Drawings

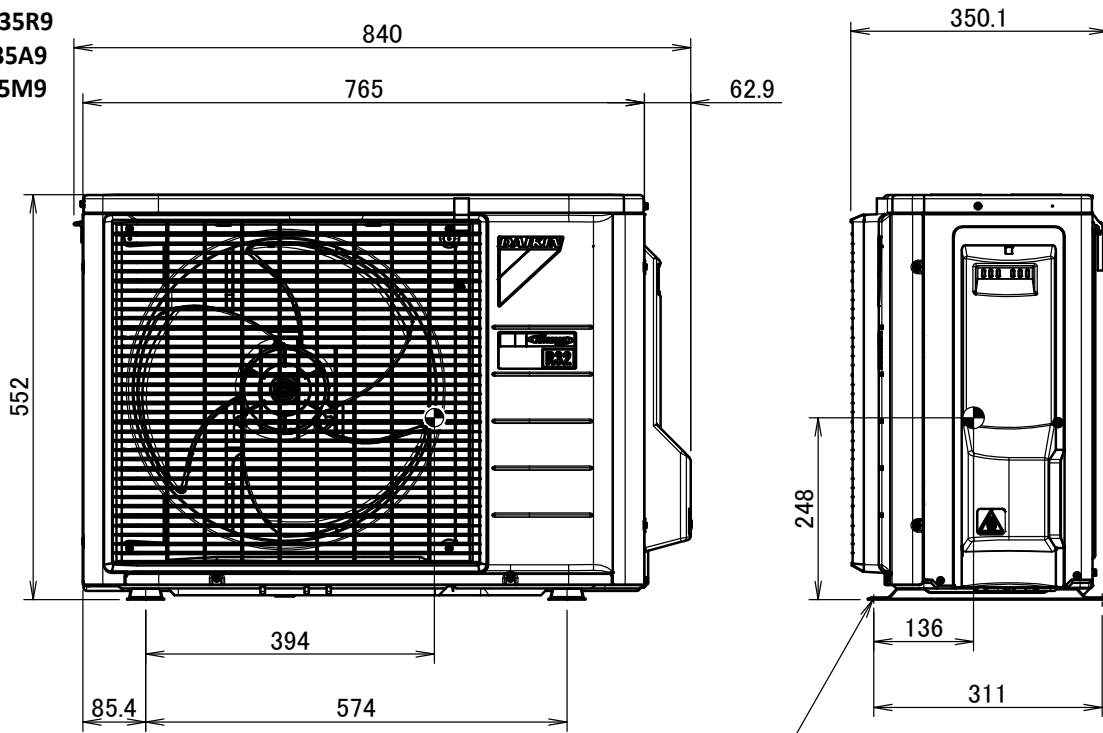


6 Centre of gravity

6 - 1 Centre of Gravity

6

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



Foundation bolt hole

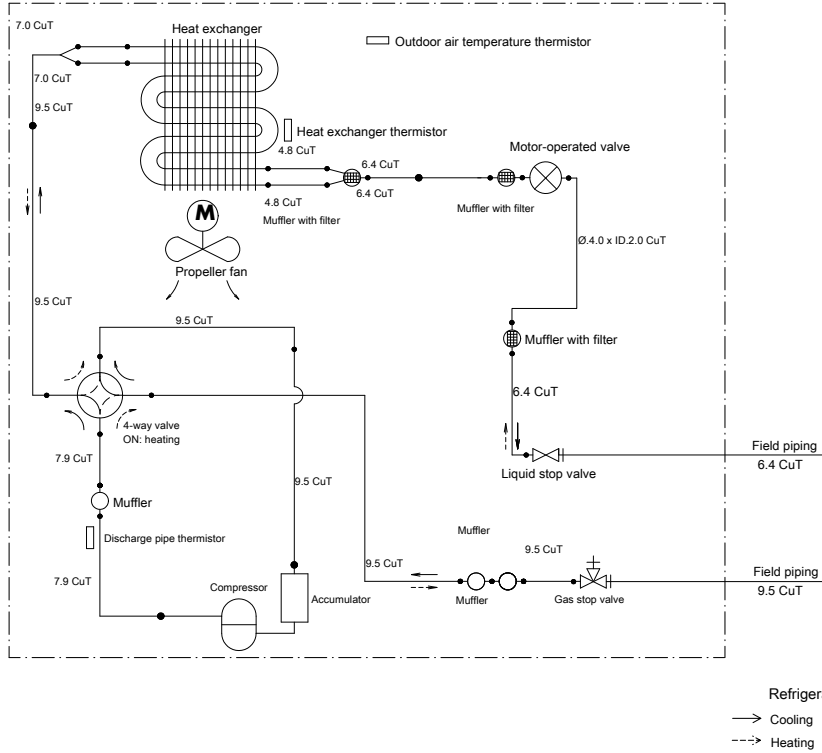
4D119880

7 Piping diagrams

7 - 1 Piping Diagrams

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

Outdoor unit

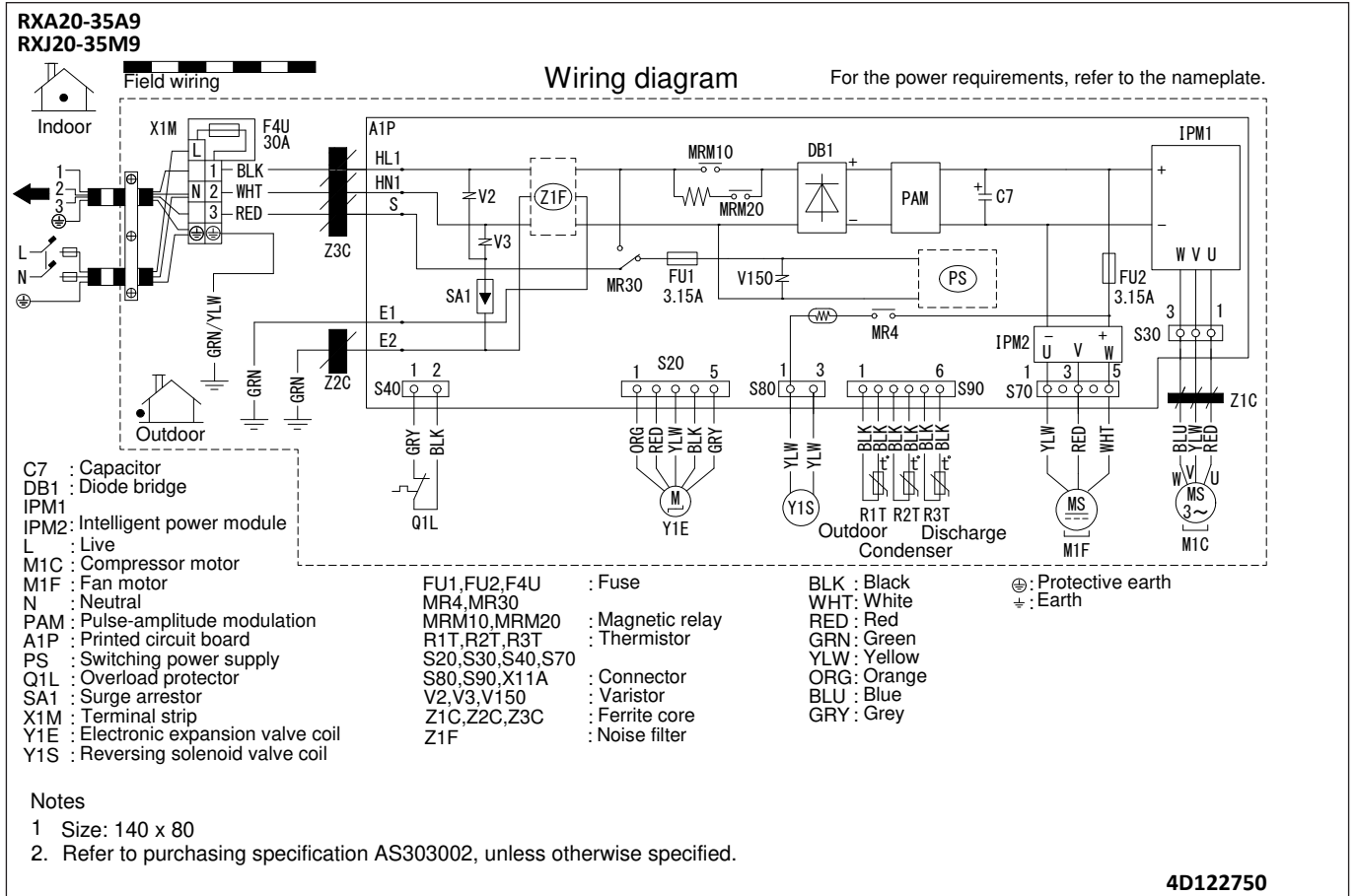


3D091995B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

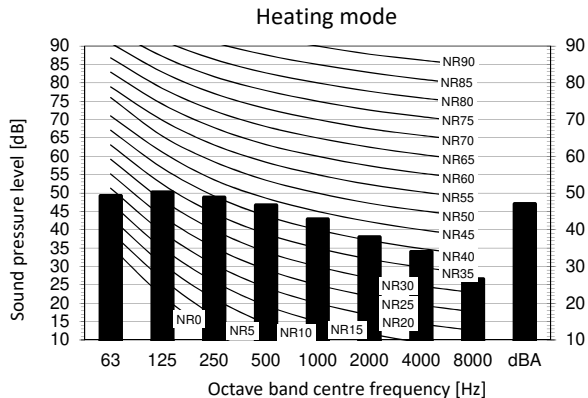
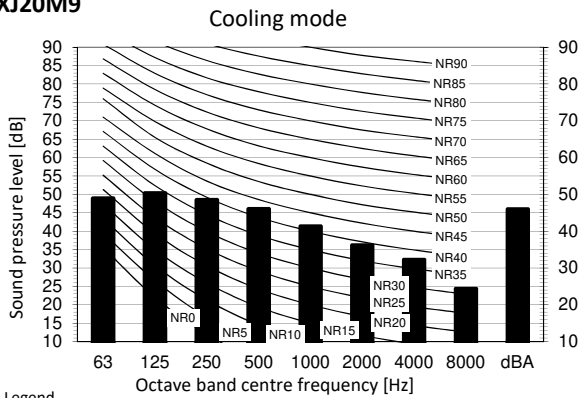
8



9 Sound data

9 - 1 Sound Pressure Spectrum

RXM20R9
RXA20A9
RXJ20M9

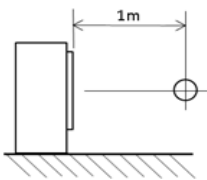


Legend

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

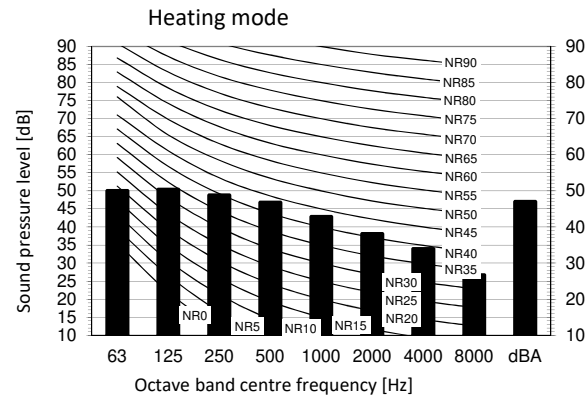
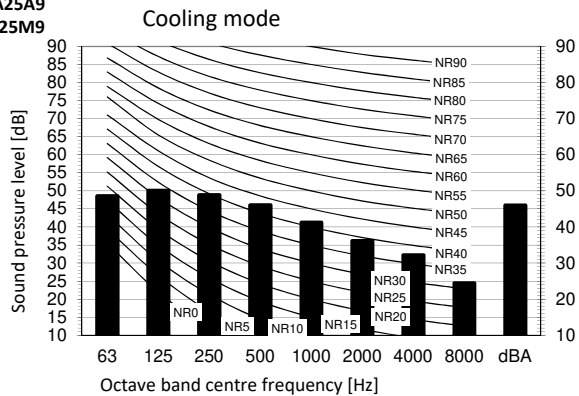
Heating		Total dB
A	B	
dBA		47

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

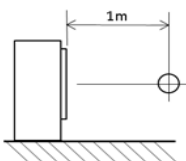


Legend

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

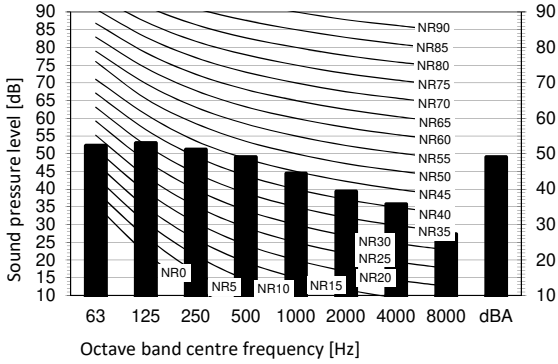
9 Sound data

9 - 1 Sound Pressure Spectrum

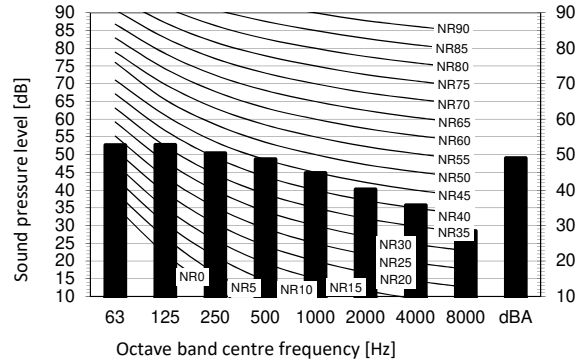
9

ARXM35R9
RXM35R9
RXA35A9
RXJ35M9

Cooling mode



Heating mode



Legend

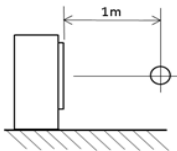
dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High

Notes

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

Location of microphone



Cooling Total dB

A	B
dBA	49

Heating Total dB

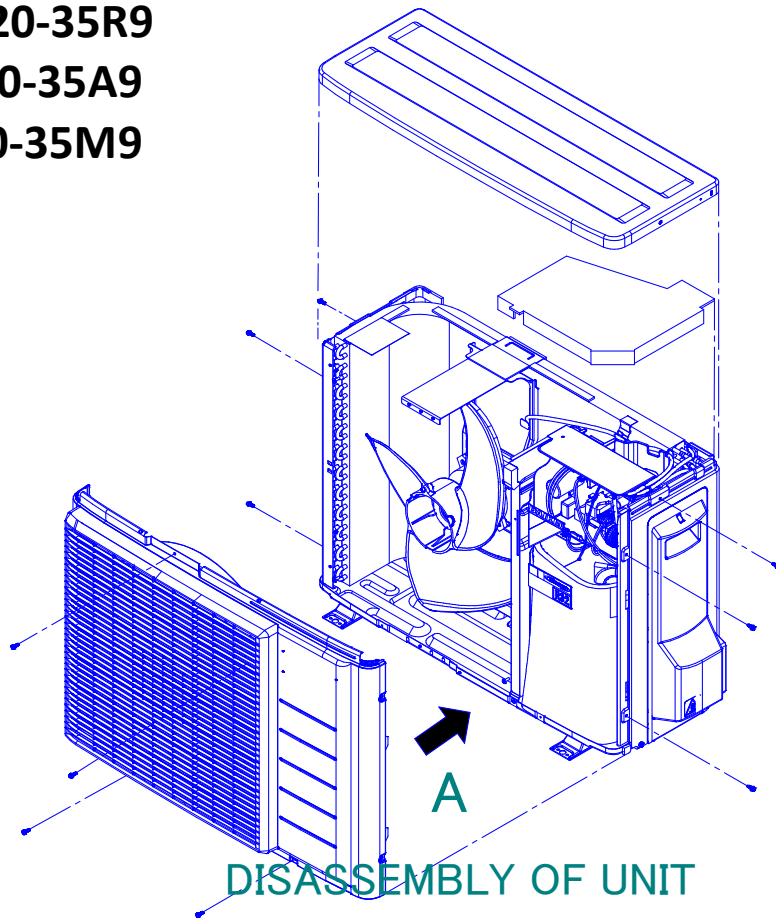
A	B
dBA	49

3D110123A

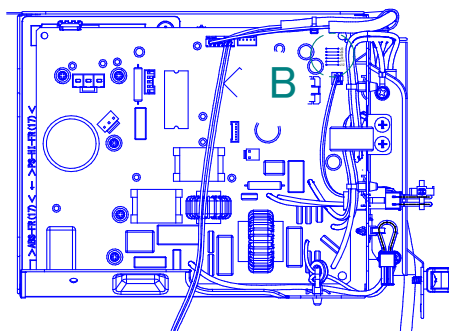
10 Installation

10 - 1 Installation Method

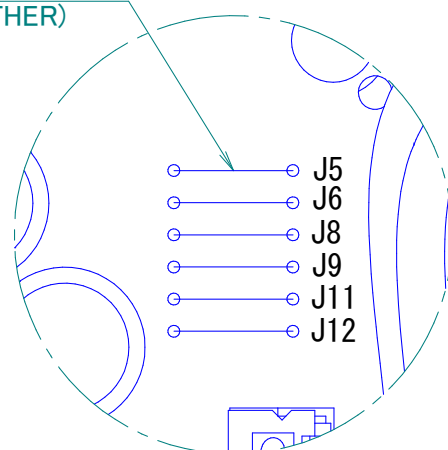
ARXM25-35R9
RXM20-35R9
RXA20-35A9
RXJ20-35M9



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

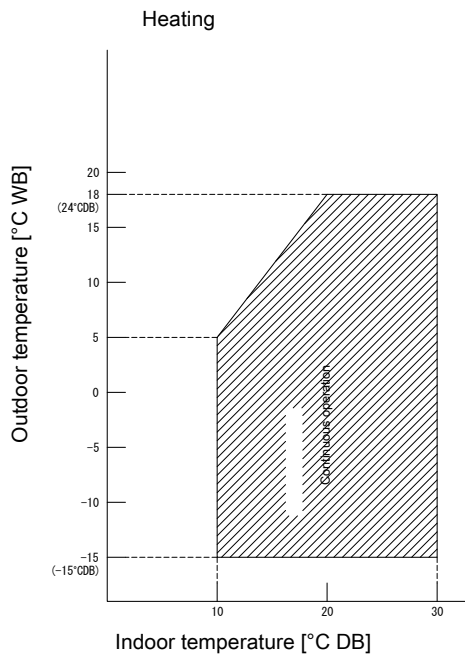
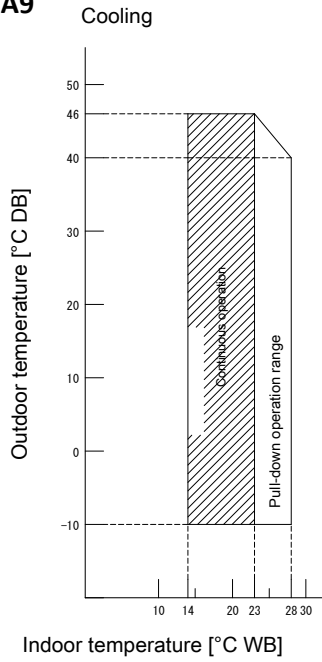
4D133752

11 Operation range

11 - 1 Operation Range

11

RXJ20-35M9
RXA20-35A9

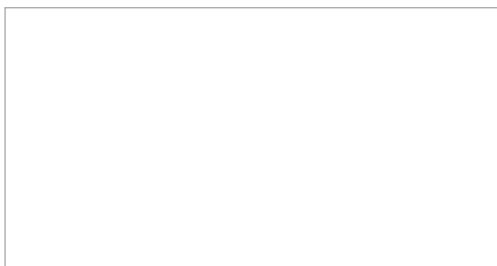


Notes

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

3D092127E

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



Daikin Europe N.V. participates in the ECP programmes for Fan Coil Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.p.A. participates in the ECP programmes for Liquid Chilling Packages and Hydronic Heat Pumps. Check ongoing validity of certificate: www.eurovent-certification.com

EEDEN23

02/2023



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.