



# Air Conditioning Technical Data



EEDEN15-100

RXJ-L



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## RXJ-L

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# 1 Features

- Seasonal efficiency values up to A+++
- Outdoor units for pair application
- Anti-corrosion treated outdoor heat exchanger fin
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Seasonal efficiency values up to A+++



Powerful mode



Auto cooling-  
heating  
changeover



Outdoor unit  
silent operation

## 2 Specifications

2-1 Capacity and Power input				FTXJ20LW/RXJ20L	FTXJ25LW/RXJ25L	FTXJ35LW/RXJ35L	FTXJ50LW/RXJ50L				
Indoor unit				FTXJ20LW/S		FTXJ25LW/S		FTXJ35LW/S		FTXJ50LW/S	
Outdoor unit				RXJ20L		RXJ25L		RXJ35L		RXJ50L	
Cooling capacity	Min.		kW	1.30		0.90		1.40			
			Btu/h	4,400		3,100		4,800			
			kcal/h	1,120		770		1,200			
	Nom.		kW	2.30 (1)		2.40 (1)		3.50 (1)		4.80 (1)	
			Btu/h	7,800 (1)		8,500 (1)		11,900 (1)		17,100 (1)	
			kcal/h	1,980 (1)		2,150 (1)		3,010 (1)		4,300 (1)	
	Max.		kW	2.80		3.30		4.10		5.50	
			Btu/h	9,500		11,300		14,000		18,800	
			kcal/h	2,410		2,840		3,530		4,730	
Heating capacity	Min.		kW	1.30		0.90		1.10			
			Btu/h	4,400		3,100		3,800			
			kcal/h	1,120		770		950			
	Nom.		kW	2.50 (1)		3.20 (1)		4.00 (1)		5.80 (1)	
			Btu/h	8,500 (1)		10,900 (1)		13,600 (1)		19,800 (1)	
			kcal/h	2,150 (1)		2,750 (1)		3,440 (1)		4,990 (1)	
	Max.		kW	4.30		4.70		5.10		7.00	
			Btu/h	14,600		16,000		17,400		23,900	
			kcal/h	3,700		4,040		4,390		6,020	
Power input	Cooling	Min.	kW	0.320		0.230		0.270			
		Nom.	kW	0.495 (1)		0.507 (1)		0.855 (1)		1.432 (1)	
		Max.	kW	0.760		0.820		1.360		1.950	
	Heating	Min.	kW	0.310		0.180		0.240			
		Nom.	kW	0.500 (1)		0.700 (1)		0.990 (1)		1.590 (1)	
		Max.	kW	1.120		1.340		1.480		2.120	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++				A++			
		Pdesign	kW	2.30		2.40		3.50		4.80	
		SEER		8.73		8.64		7.19		7.02	
		Annual energy consumption	kWh	92		97		170		239	
	Heating (Average climate)	Energy label		A++				A+			
		Pdesign	kW	2.10		2.70		3.00		4.60	
		SCOP		4.61		4.60		4.28		4.28	
		Annual energy consumption	kWh	638		822		913		1,505	
Piping connections	Liquid	OD	mm	6.35							
	Gas	OD	mm	9.5				12.7			
	Drain	OD	mm	18							
	Heat insulation			Both liquid and gas pipes							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.77 (2) / 2.67 (3) / 2.57 (4)		2.91 (2) / 2.82 (3) / 2.72 (4)		4.37 (2) / 4.18 (3) / 4.09 (4)		6.62 (2) / 6.43 (3) / 6.23 (4)	
		Heating	A	2.8 (2) / 2.7 (3) / 2.6 (4)		3.9 (2) / 3.8 (3) / 3.7 (4)		5.0 (2) / 4.8 (3) / 4.7 (4)		7.4 (2) / 7.1 (3) / 6.9 (4)	
Nominal efficiency	EER		4.64 (5)		4.73 (5)		4.09 (5)		3.35 (5)		
	COP		5.00 (5)		4.57 (5)		4.04 (5)		3.65 (5)		
	Annual energy consumption	kWh	248		254		428		716		
	Energy label	Cooling	A								
		Heating	A								

### Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(2) 220V

(3) 230V

(4) 240V

(5) EER/COP according to Eurovent 2012, for use outside EU only

## 2 Specifications

2-2 Capacity and Power input				FTXJ20LS/RXJ20L	FTXJ25LS/RXJ25L	FTXJ35LS/RXJ35L	FTXJ50LS/RXJ50L	
Indoor unit				FTXJ20LW/S	FTXJ25LW/S	FTXJ35LW/S	FTXJ50LW/S	
Outdoor unit				RXJ20L	RXJ25L	RXJ35L	RXJ50L	
Cooling capacity	Min.	kW		1.30	0.90		1.40	
		Btu/h		4,400	3,100		4,800	
		kcal/h		1,120	770		1,200	
	Nom.	kW		2.30 (1)	2.40 (1)	3.50 (1)		4.80 (1)
		Btu/h		7,800 (1)	8,500 (1)	11,900 (1)		17,100 (1)
		kcal/h		1,980 (1)	2,150 (1)	3,010 (1)		4,300 (1)
	Max.	kW		2.80	3.30	4.10		5.50
		Btu/h		9,500	11,300	14,000		18,800
		kcal/h		2,410	2,840	3,530		4,730
Heating capacity	Min.	kW		1.30	0.90		1.10	
		Btu/h		4,400	3,100		3,800	
		kcal/h		1,120	770		950	
	Nom.	kW		2.50 (1)	3.20 (1)	4.00 (1)		5.80 (1)
		Btu/h		8,500 (1)	10,900 (1)	13,600 (1)		19,800 (1)
		kcal/h		2,150 (1)	2,750 (1)	3,440 (1)		4,990 (1)
	Max.	kW		4.30	4.70	5.10		7.00
		Btu/h		14,600	16,000	17,400		23,900
		kcal/h		3,700	4,040	4,390		6,020
Power input	Cooling	Min.	kW	0.320	0.230		0.270	
		Nom.	kW	0.495 (1)	0.507 (1)	0.855 (1)		1.432 (1)
		Max.	kW	0.760	0.820	1.360		1.950
	Heating	Min.	kW	0.310	0.180		0.240	
		Nom.	kW	0.500 (1)	0.700 (1)	0.990 (1)		1.590 (1)
		Max.	kW	1.120	1.340	1.480		2.120
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++		A++		
		Pdesign	kW	2.30	2.40	3.50	4.80	
		SEER		8.73	8.64	7.19	7.02	
		Annual energy consumption	kWh	92	97	170	239	
	Heating (Average climate)	Energy label		A++		A+		
		Pdesign	kW	2.10	2.70	3.00	4.60	
		SCOP		4.61	4.60		4.28	
		Annual energy consumption	kWh	638	822	913	1,505	
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5		12.7		
	Drain	OD	mm	18				
	Heat insulation			Both liquid and gas pipes				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	2.77 (2) / 2.67 (3) / 2.57 (4)	2.91 (2) / 2.82 (3) / 2.72 (4)	4.37 (2) / 4.18 (3) / 4.09 (4)	6.62 (2) / 6.43 (3) / 6.23 (4)	
		Heating	A	2.8 (2) / 2.7 (3) / 2.6 (4)	3.9 (2) / 3.8 (3) / 3.7 (4)	5.0 (2) / 4.8 (3) / 4.7 (4)	7.4 (2) / 7.1 (3) / 6.9 (4)	
Nominal efficiency	EER			4.64 (5)	4.73 (5)	4.09 (5)	3.35 (5)	
	COP			5.00 (5)	4.57 (5)	4.04 (5)	3.65 (5)	
	Annual energy consumption		kWh	248	254	428	716	
	Energy label	Cooling		A				
Heating		A						

### Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(2) 220V

(3) 230V

(4) 240V

(5) EER/COP according to Eurovent 2012, for use outside EU only

## 2 Specifications

2-3 Technical Specifications					RXJ20L	RXJ25L	RXJ35L	RXJ50L
Capacity control	Method				Inverter controlled			
Casing	Colour				Ivory white			
Dimensions	Unit	Height	mm		550		735	
		Width	mm		765		825	
		Depth	mm		285		300	
	Packed unit	Height	mm		589		792	
		Width	mm		882		960	
Depth		mm		363		390		
Weight	Unit		kg	34		44		
	Packed unit		kg	38		48		
Packing	Weight		kg	4				
Heat exchanger	Length		mm	805		845		
	Rows	Quantity		2				
	Fin pitch		mm	1.4		1.8		
	Stages	Quantity		24				
	Tube type				ø7 Hi-XD		ø8 Hi-XA	
	Fin	Type		Waffle fin (PE)				
	Compressor	Model				1YC25FXD#A		2YC40GXD#A
Type		Hermetically sealed swing compressor						
Output		W	800		1,300			
Fan	Type				Propeller fan			
	Air flow rate	Cooling	High	m <sup>3</sup> /min	33.5		51.0	
				cfm	1,183		1,801	
		Super low	High	m <sup>3</sup> /min	29.3		38.5	
				cfm	1,035		1,359	
	Heating	High	High	m <sup>3</sup> /min	26.4	27.9	40.4	
				cfm	932	985	1,427	
		Super low	High	m <sup>3</sup> /min	25.6		34.3	
cfm				904		1,211		
Fan motor	Model				ARS6401DA		ARW7406DA	
	Output		W	23		68		
	Speed	Cooling	High	rpm	860		820	
			Super low	rpm	760		620	
	Heating	High	rpm	760	800	730		
		Super low	rpm	740		620		
Sound power level	Cooling		dBA	61		63		
	Heating		dBA	62		63		
Sound pressure level	Cooling	High	dBA	46		48		
		Silent operation	dBA	43		45		
	Heating	High	dBA	47		48		
		Silent operation	dBA	44		45		
Operation range	Cooling	Ambient	Min.	°CDB	-10			
			Max.	°CDB	46			
	Heating	Ambient	Min.	°CWB	-15			
			Max.	°CWB	18			
Refrigerant	Type				R-32			
	Charge		kg	0.72		1.30		
			TCO <sub>2</sub> eq	0.5		0.9		
	GWP				675			
Refrigerant oil	Type				FW68DA			
	Charged volume		l	0.375		0.650		

## 2 Specifications

2

2-3 Technical Specifications				RXJ20L	RXJ25L	RXJ35L	RXJ50L	
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5			12.7	
	Drain	ID	mm	-				
		OD	mm	18				
	Piping length	OU - IU	Max.	m	20			30
		System	Chargeless	m	10			
Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
Level difference	IU - OU	Max.	m	15			20	

2-4 Electrical Specifications				RXJ20L	RXJ25L	RXJ35L	RXJ50L
Power supply	Name			V1			
	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
Current	Nominal running current (RLA)	Cooling	A	2.65 (1) / 2.55 (2) / 2.45 (3)	2.79 (1) / 2.70 (2) / 2.60 (3)	4.21 (1) / 4.02 (2) / 3.93 (3)	6.46 (1) / 6.27 (2) / 6.07 (3)
		Heating	A	2.65 (1) / 2.55 (2) / 2.45 (3)	3.74 (1) / 3.64 (2) / 3.54 (3)	4.79 (1) / 4.59 (2) / 4.49 (3)	7.18 (1) / 6.88 (2) / 6.69 (3)
	Starting current	Cooling	A	3.9		5	7.4
Current - 50Hz	Maximum fuse amps (MFA)		A	10			15
Current - 60Hz	Maximum fuse amps (MFA)		A	-			
Wiring connections	For power supply	Quantity		3			
	For connection with indoor	Quantity		4			
		Remark		Earth wire included			

### Notes

(1) 220V

(2) 230V

(3) 240V

SL: The silent fan level of the air flow rate setting

Contains fluorinated greenhouse gases



### 3 Electrical data

#### 3 - 1 Electrical Data

##### RXJ-L

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Indoor	Outdoor	1	2	3	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXJ20LV1BW FTXJ20LV1BS	RXJ20LV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	7,9	10	40	2,4	0,023	0,11	0,029	0,15
		50	230					2,3				
		50	240					2,2				
FTXJ25LV1BW FTXJ25LV1BS	RXJ25LV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	7,9	10	44,3	2,7	0,023	0,11	0,029	0,15
		50	230					2,6				
		50	240					2,5				
FTXJ35LV1BW FTXJ35LV1BS	RXJ35LV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,8	10	67	4,3	0,023	0,11	0,029	0,15
		50	230					4,1				
		50	240					4,0				
FTXJ50LV1BW FTXJ50LV1BS	RXJ50LV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13,9	15	65	6,2	0,068	0,34	0,029	0,15
		50	230					6,0				
		50	240					5,8				

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.

Symbols

- |                                |                                    |
|--------------------------------|------------------------------------|
| 1 Hz                           | OFM Outdoor fan motor              |
| 2 Voltage                      | IFM Indoor fan motor               |
| 3 Voltage range                | FLA Full Load Ampere (A)           |
| MCA Minimum Circuit Ampere (A) | kW Fan motor rated output [kW]     |
| MFA Maximum Fuse Ampere (A)    | RHz Rated operating frequency [Hz] |
| RLA Rated load amps [A]        |                                    |

3D092134

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXJ20LV1BW + RXJ20LV1B  
FTXJ20LV1BS + RXJ20LV1B

AFR	8,9
BF	0,11

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	2,36	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	2,36	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

AFR	10,2
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Heating 220-240V 50Hz

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

Notes

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

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m<sup>3</sup>/min]
- BF: Bypass factor

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

3D092128

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXJ25LV1BW + RXJ25LV1B  
FTXJ25LV1BS + RXJ25LV1B

AFR	8,3
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	1,99	0,42	2,35	1,94	0,46	2,23	1,89	0,50	2,28	1,91	0,51	2,21	1,87	0,53	2,10	1,82	0,57
22	16	2,57	1,96	0,42	2,46	1,91	0,46	2,34	1,86	0,50	2,40	1,88	0,51	2,33	1,85	0,54	2,21	1,80	0,58
25	18	2,68	2,07	0,42	2,57	2,03	0,46	2,46	1,98	0,50	2,51	2,01	0,51	2,44	1,98	0,54	2,33	1,93	0,58
27	19	2,73	2,21	0,42	2,62	2,17	0,46	2,51	2,12	0,50	2,57	2,14	0,52	2,50	2,12	0,54	2,38	2,07	0,58
30	22	2,90	2,14	0,43	2,79	2,10	0,47	2,68	2,06	0,51	2,74	2,08	0,52	2,67	2,06	0,54	2,56	2,02	0,58
32	24	3,01	2,09	0,43	2,90	2,06	0,47	2,79	2,02	0,51	2,86	2,04	0,52	2,79	2,02	0,55	2,67	1,98	0,59

AFR	10,4
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Heating 220-240V 50Hz

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

Notes

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

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m<sup>3</sup>/min]
- BF: Bypass factor

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

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# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXJ35LV1BW + RXJ35LV1B  
FTXJ35LV1BS + RXJ35LV1B

AFR	10,6
BF	0,10

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	3,44	2,65	0,71	3,28	2,58	0,78	3,13	2,50	0,85	3,19	2,53	0,87	3,10	2,49	0,91	2,93	2,41	0,98
22	16	3,60	2,61	0,71	3,44	2,54	0,78	3,28	2,47	0,85	3,36	2,50	0,87	3,26	2,46	0,91	3,10	2,38	0,98
25	18	3,75	2,75	0,72	3,59	2,68	0,79	3,44	2,62	0,85	3,52	2,65	0,88	3,42	2,61	0,92	3,26	2,54	0,99
27	19	3,83	2,91	0,72	3,67	2,85	0,79	3,51	2,79	0,86	3,60	2,82	0,88	3,50	2,78	0,92	3,34	2,71	0,99
30	22	4,06	2,81	0,73	3,90	2,76	0,79	3,75	2,70	0,86	3,84	2,73	0,89	3,74	2,70	0,93	3,58	2,64	0,99
32	24	4,21	2,74	0,73	4,06	2,69	0,80	3,90	2,64	0,87	4,00	2,67	0,89	3,90	2,64	0,93	3,74	2,59	1,00

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

Heating 220-240V 50Hz

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

Notes

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

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m<sup>3</sup>/min]
- BF: Bypass factor

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

3D092130

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

FTXJ50LV1BW + RXJ50LV1B  
FTXJ50LV1BS + RXJ50LV1B

AFR	10,8
BF	0,09

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	3,84	2,88	1,02	3,84	2,88	1,16	3,84	2,88	1,29	3,84	2,88	1,33	3,84	2,88	1,41	3,84	2,88	1,54
22	16	4,93	3,28	1,12	4,91	3,27	1,25	4,69	3,16	1,36	4,79	3,21	1,40	4,65	3,14	1,46	4,42	3,03	1,57
25	18	5,36	3,50	1,15	5,13	3,40	1,26	4,91	3,30	1,37	5,02	3,35	1,40	4,88	3,28	1,47	4,65	3,18	1,58
27	19	5,47	3,66	1,15	5,24	3,56	1,26	5,02	3,46	1,37	5,14	3,51	1,40	5,00	3,45	1,47	4,77	3,35	1,58
30	22	5,80	3,52	1,16	5,58	3,43	1,27	5,35	3,34	1,38	5,49	3,39	1,41	5,35	3,34	1,48	5,11	3,25	1,59
32	24	6,02	3,42	1,17	5,80	3,33	1,28	5,57	3,25	1,39	5,72	3,30	1,42	5,58	3,25	1,49	5,34	3,17	1,59

AFR	12,4
-----	------

Heating 220-240V 50Hz

1	4									
	-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,90	1,34	4,56	1,41	5,21	1,48	6,00	1,55	6,52	1,61
20	3,70	1,38	4,36	1,45	5,01	1,51	5,80	1,59	6,32	1,64
22	3,62	1,39	4,28	1,46	4,93	1,53	5,72	1,60	6,24	1,66
24	3,54	1,41	4,20	1,47	4,85	1,54	5,64	1,62	6,16	1,67
25	3,50	1,42	4,16	1,48	4,81	1,55	5,60	1,63	6,12	1,68
27	3,42	1,43	4,08	1,50	4,73	1,56	5,52	1,64	6,04	1,69

Notes

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

Symbols

- TC: Total capacity [kW]
- PI: Power input [kW]
- SHC: Sensible heat capacity [kW]
- AFR: Air flow rate [m<sup>3</sup>/min]
- BF: Bypass factor

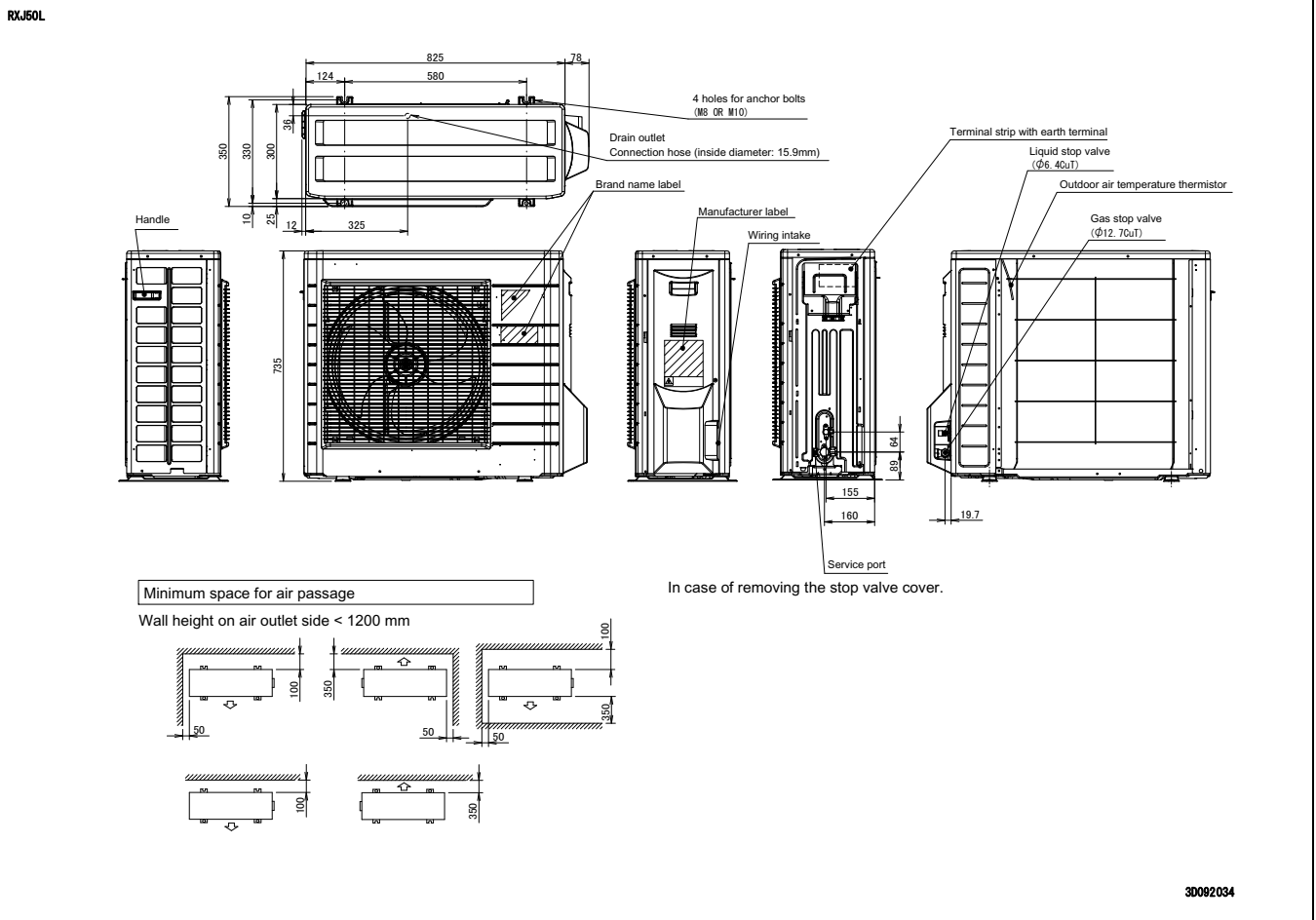
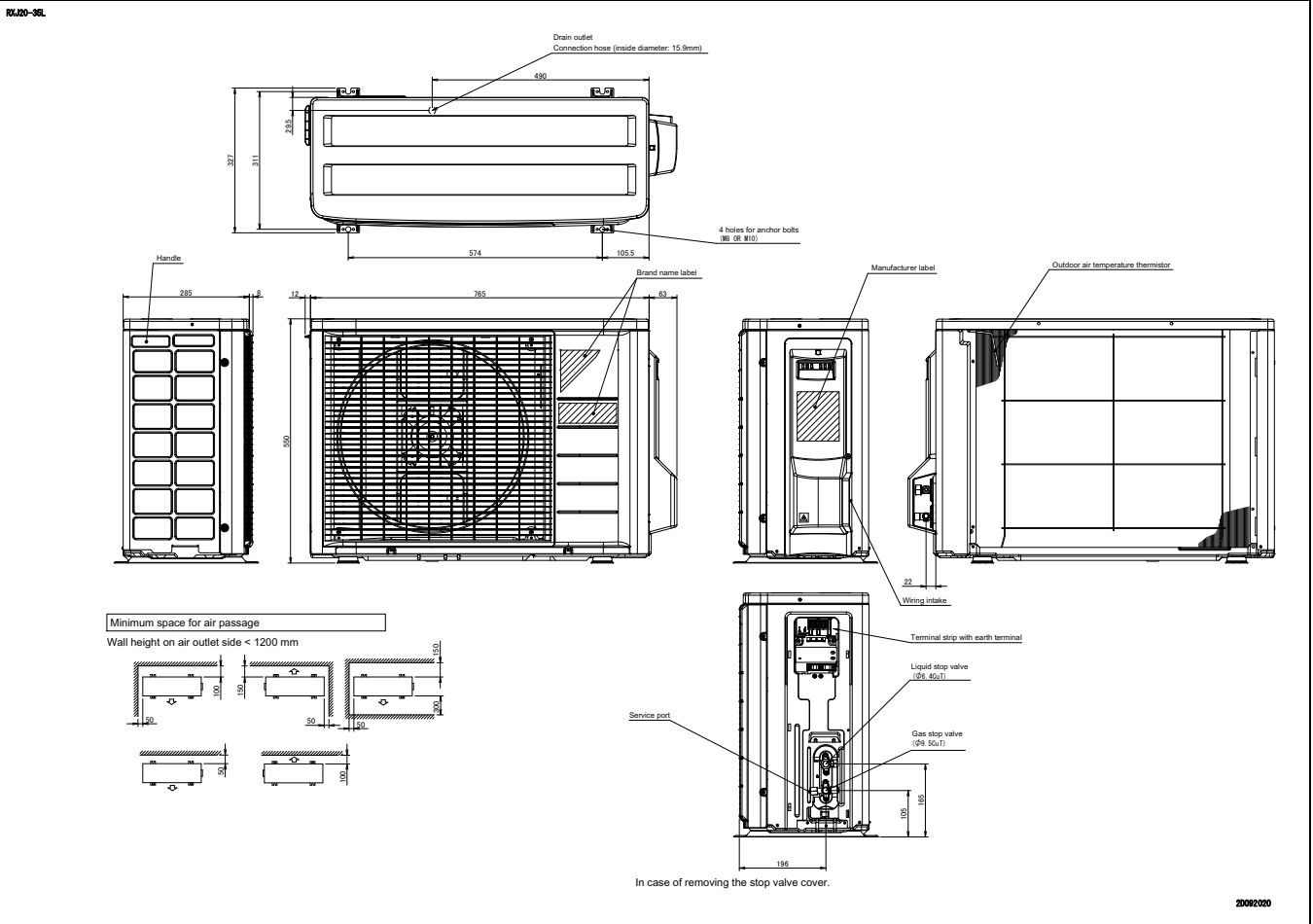
- Indoor air temperature [°C DB]
- Indoor air temperature [°C WB]
- Outdoor air temperature [°C DB]
- Outdoor air temperature [°C WB]

3D092131

# 5 Dimensional drawings

## 5 - 1 Dimensional Drawings

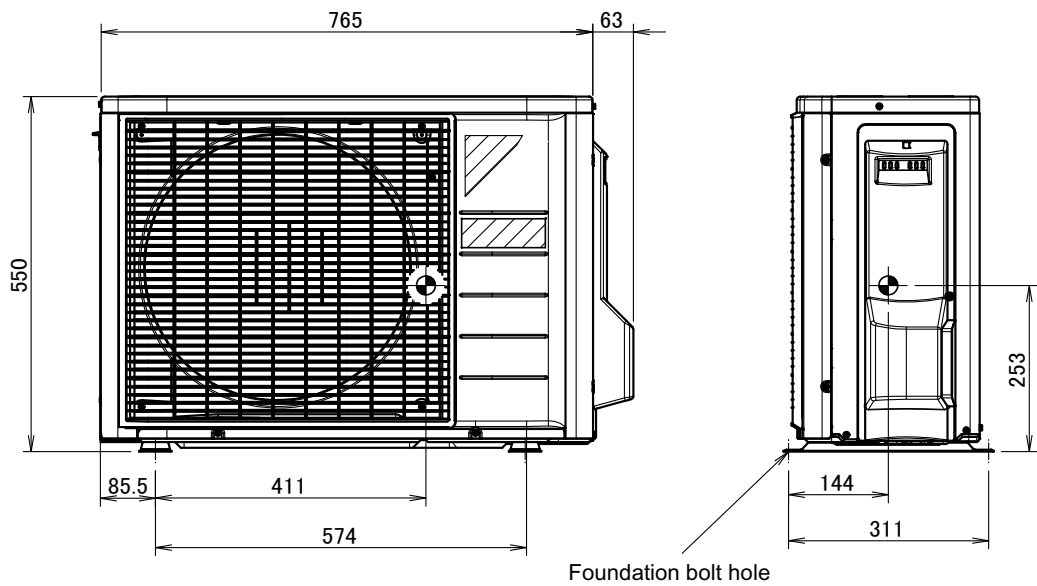
5



## 6 Centre of gravity

### 6 - 1 Centre of Gravity

RXJ20-35L

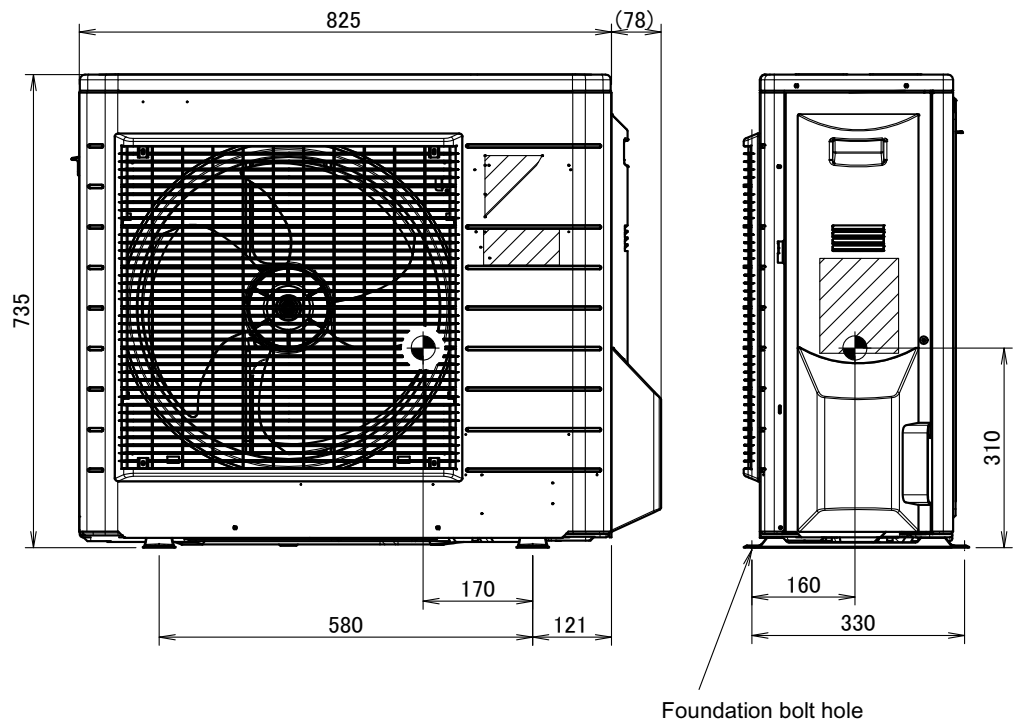


4D092021

# 6 Centre of gravity

## 6 - 1 Centre of Gravity

RXJ50L

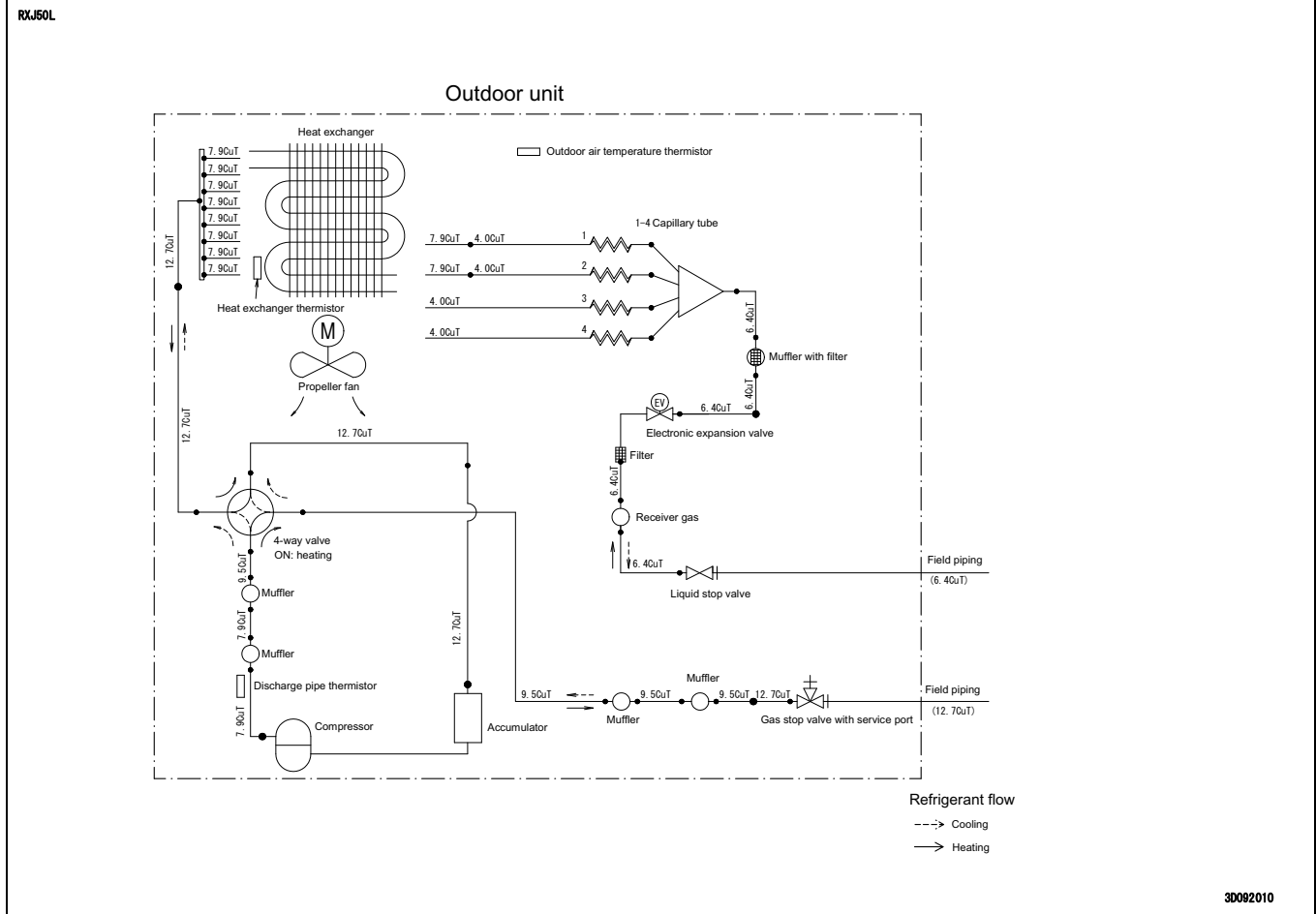
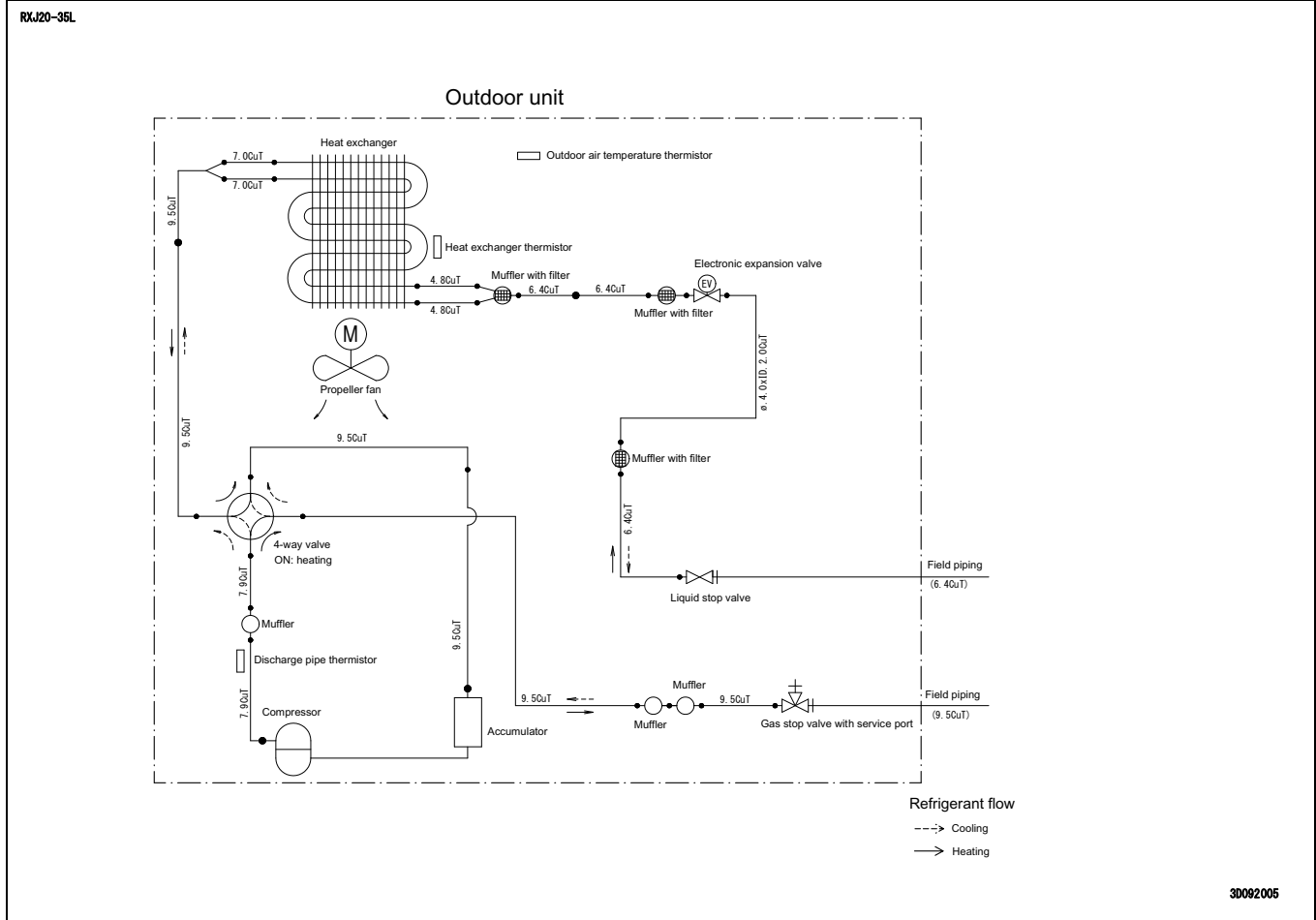


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# 7 Piping diagrams

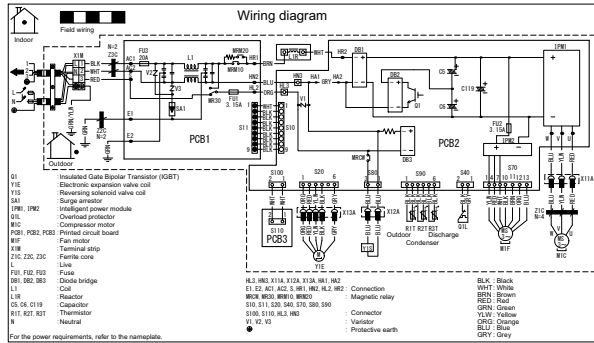
## 7 - 1 Piping Diagrams



# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Single Phase

RXJ20-35L

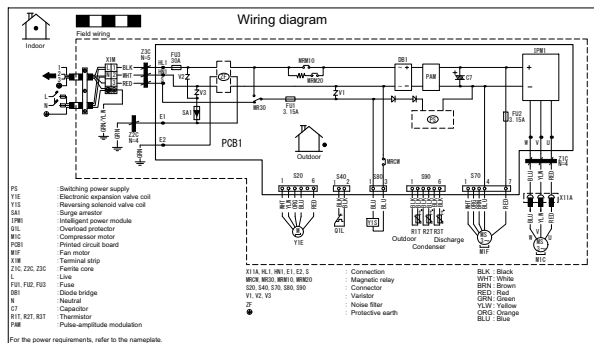


**Notes**

1. Size: length 105 X width 185.
2. Refer to purchasing specification AS303002, unless otherwise specified.

3D090516

RXJ50L



**Notes**

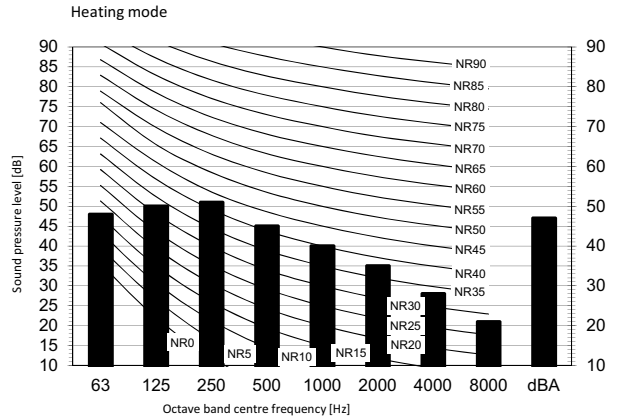
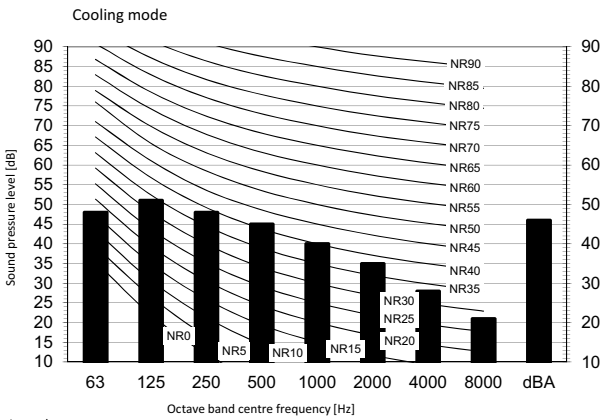
1. Size: length 105 X width 185.
2. Refer to purchasing specification AS303002, unless otherwise specified.

3D090522

# 9 Sound data

## 9 - 1 Sound Pressure Spectrum

### RXJ20L



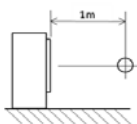
**Legend**

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

A Scale

B High-tap  
Low-tap

Location of microphone



Cooling		Total dB
A	B	
dBA	46	

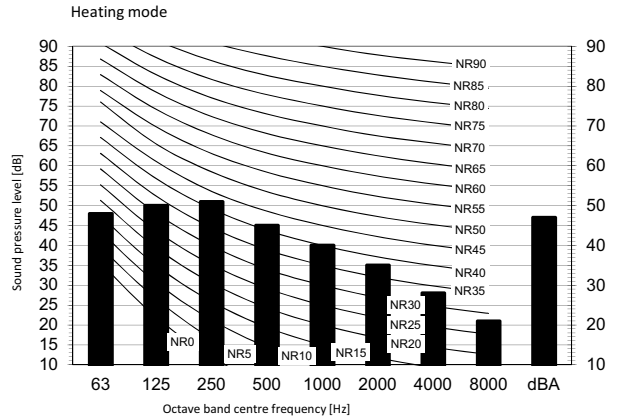
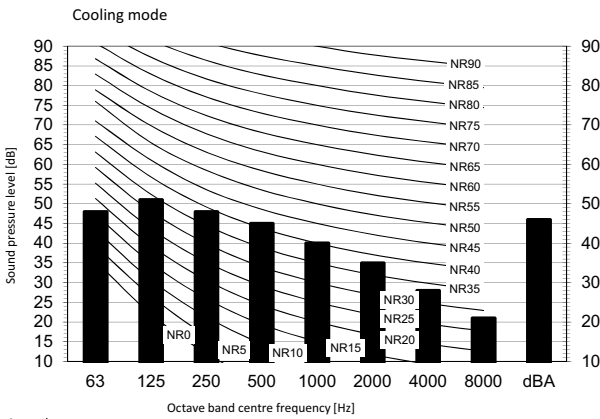
Heating		Total dB
A	B	
dBA	47	

**Notes**

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

3D092179

### RXJ25L



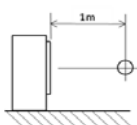
**Legend**

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

A Scale

B High-tap  
Low-tap

Location of microphone



Cooling		Total dB
A	B	
dBA	46	

Heating		Total dB
A	B	
dBA	47	

**Notes**

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

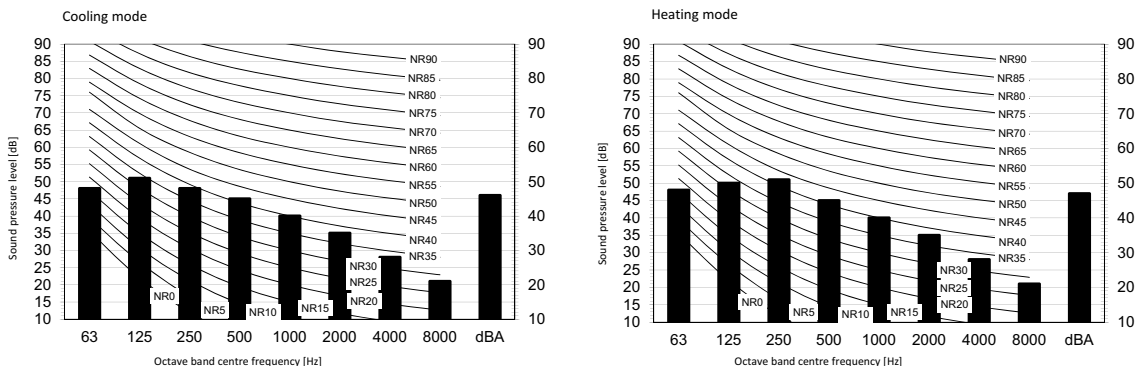
3D092178

# 9 Sound data

## 9 - 1 Sound Pressure Spectrum

9

### RXJ35L



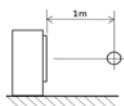
Legend

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

A Scale

B High-tap  
Low-tap

Location of microphone



Cooling		Total dB	
A	B		
dBA		48	

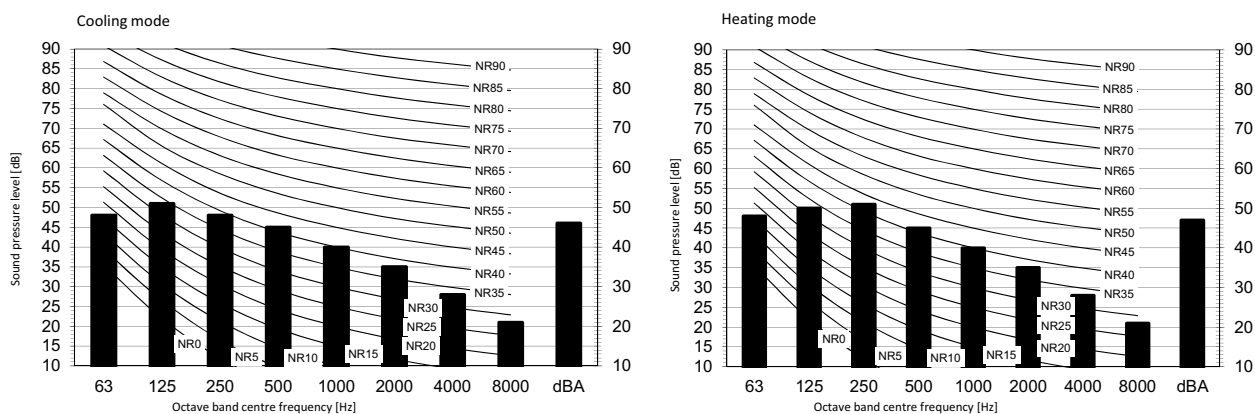
Heating		Total dB	
A	B		
dBA		48	

Notes

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

3D092180

### RXJ50L



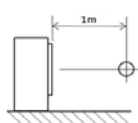
Legend

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

A Scale

B High-tap  
Low-tap

Location of microphone



Cooling		Total dB	
A	B		
dBA		48	

Heating		Total dB	
A	B		
dBA		48	

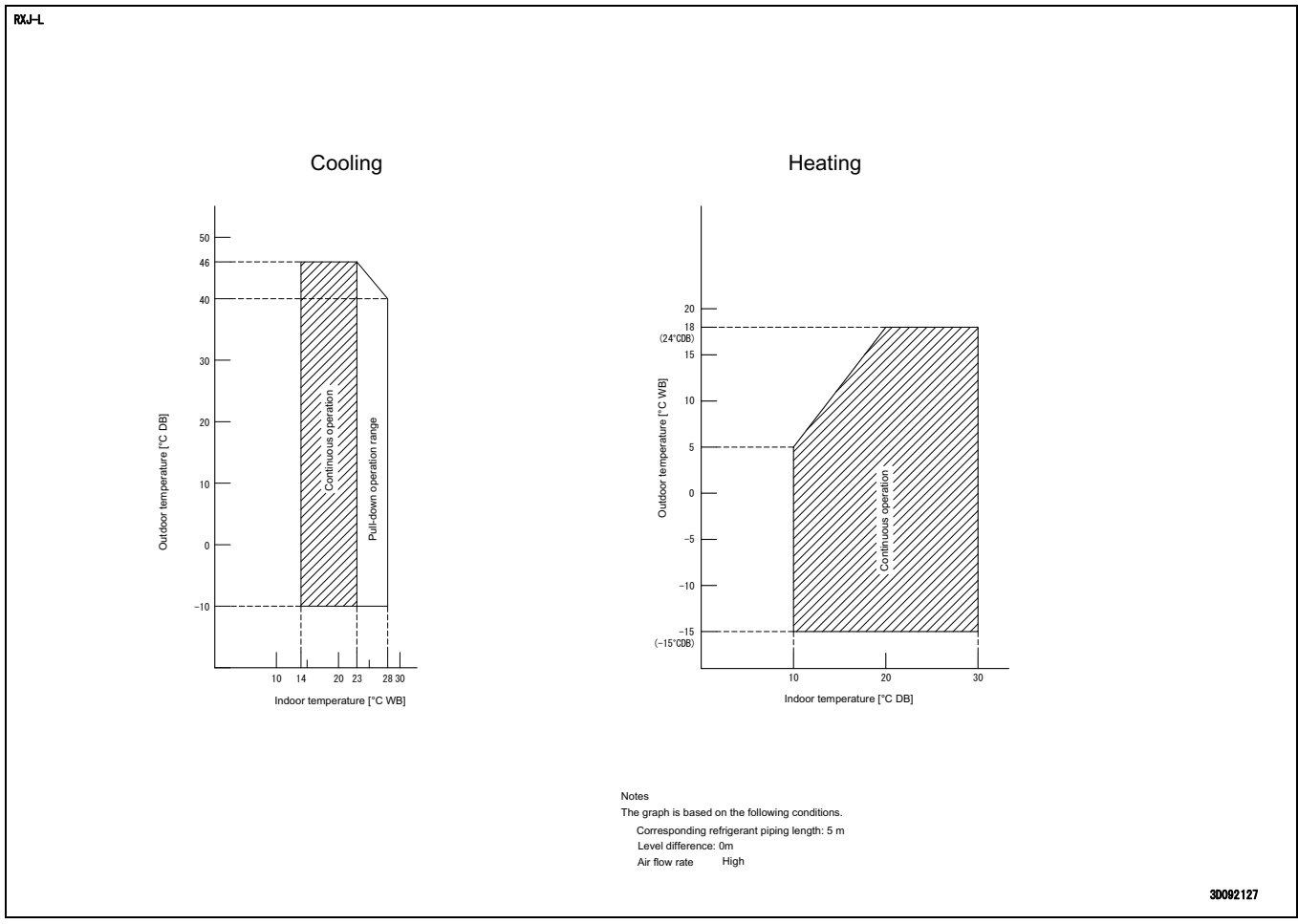
Notes

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

3D092172

# 10 Operation range

## 10 - 1 Operation Range







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