



Air Conditioners

Technical Data

Pair application



EEDEN11-100

RKS-J



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EEDEN11-100

RKS-J

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RKS-J

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1 Features

- Energy efficient units: up to class A energy labels
- Outdoor units for pair application
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



2 Specifications

2-1 Nominal Capacity And Nominal Input				FCQ35C8VEB / RKS35J2V1B	FCQ50C8VEB / RKS50J2V1B
Cooling capacity	Min.		kW	1.4 (3)	0.9 (3)
			Btu/h	4,780 (3)	3,070 (3)
			kcal/h	1,200 (3)	770 (3)
	Nom.		kW	3.40 (3)	5.0 (3)
			Btu/h	11,600 (3)	17,100 (3)
			kcal/h	2,920 (3)	4,300 (3)
	Max.		kW	3.7 (3)	5.6 (3)
			Btu/h	12,600 (3)	19,100 (3)
			kcal/h	3,180 (3)	4,820 (3)
Power input	Cooling	Nom.	kW	0.950	1.410
EER				3.58	3.55
Annual energy consumption			kWh	475	705
Energy label	Cooling			A	
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.52	12.7
	Drain	OD	mm	32	
	Heat insulation			Both liquid and gas pipes	

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: return air temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent refrigerant piping length 5m (horizontal)
- (4) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.
- (5) All data mentioned is preliminary information

2-1 Nominal Capacity And Nominal Input				FTXS20J2V1B / RKS20J2V1B	FTXS25J2V1B / RKS25J2V1B	FTXS35J2V1B / RKS35J2V1B	FTXS42J2V1B / RKS42J2V1B	FTXS50J2V1B / RKS50J2V1B
Cooling capacity	Min.		kW	1.3		1.4	1.7	
			Btu/h	4,400		4,800	5,800	
			kcal/h	1,120		1,200	1,460	
	Nom.		kW	2.0 (3)	2.5 (3)	3.5 (3)	4.2 (3)	5.0 (3)
			Btu/h	6,800 (3)	8,500 (3)	11,900 (3)	14,300 (3)	17,100 (3)
			kcal/h	1,720 (3)	2,150 (3)	3,010 (3)	3,010 (3)	4,300 (3)
	Max.		kW	2.8	3.2	4.0	5.0	5.3
			Btu/h	9,600	10,900	13,600	17,100	18,100
			kcal/h	2,410	2,750	3,440	4,300	4,560
Power input	Cooling	Min.	kW	0.320		0.350	0.440	
		Nom.	kW	0.450	0.535	0.860	1.210	1.460
		Max.	kW	0.810	0.810	1.190	2.330	1.810
EER				4.44	4.67	4.07	3.47	3.42
Annual energy consumption			kWh	225	268	430	605	730
Energy label	Cooling			A				
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.52				12.7
	Drain	OD	mm	18.0				
	Heat insulation			Both liquid and gas pipes				

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m

2 Specifications

2-1 Nominal Capacity And Nominal Input				FBQ35C7VEB / RKS35J2V1B	FBQ50C7VEB / RKS50J2V1B
Cooling capacity	Min.		kW	1.4	0.9
			Btu/h	4,800	3,100
			kcal/h	12,600	770
	Nom.		kW	3.40 (3)	5.0 (3)
			Btu/h	11,600 (3)	17,100 (3)
			kcal/h	2,920 (3)	4,300 (3)
	Max.		kW	3.7	5.6
			Btu/h	12,600	19,100
			kcal/h	3,180	4,820
Power input	Cooling	Min.	kW	-	4.50
		Nom.	kW	1.05	1.83
		Max.	kW	-	2.02
EER				3.24	2.73
Annual energy consumption			kWh	530	825
Energy label	Cooling			A	B
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.52	12.7
	Drain	OD	mm	26	
	Heat insulation			Both liquid and gas pipes	

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) All data mentioned is preliminary information

2-1 Nominal Capacity And Nominal Input				FHQ35BVV1B / RKS35J2V1B	FHQ50BVV1B / RKS50J2V1B
Cooling capacity	Min.		kW	1.4	1.7
			Btu/h	4,800	5,800
			kcal/h	1,200	1,460
	Nom.		kW	3.4 (3)	5.0 (3)
			Btu/h	11,600 (3)	17,100 (3)
			kcal/h	2,920 (3)	4,300 (3)
	Max.		kW	3.7	5.6
			Btu/h	12,600	19,100
			kcal/h	3,180	4,820
Power input	Cooling	Min.	kW	-	0.44
		Nom.	kW	1.05	1.83
		Max.	kW	-	2.02
EER				3.24	2.73
Annual energy consumption			kWh	525	915
Energy label	Cooling			A	D

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) All data mentioned is preliminary information

2 Specifications

2-1 Nominal Capacity And Nominal Input				FDKS50C7VMB / RKS50J2V1B	
Cooling capacity	Min.		kW	1.7 (3)	
			Btu/h	5,800 (3)	
			kcal/h	1,460 (3)	
	Nom.		kW	5.0 (3)	
			Btu/h	17,100 (3)	
			kcal/h	4,300 (3)	
	Max.		kW	5.3 (3)	
			Btu/h	18,100 (3)	
			kcal/h	4,560 (3)	
Power input	Cooling	Min.	kW	0.440	
		Nom.	kW	1.650	
		Max.	kW	1.930	
EER				3.03	
Annual energy consumption			kWh	825	
Energy label	Cooling			B	
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	12.7	
	Drain	OD	mm	26	
	Heat insulation			Both liquid and gas pipes	

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.
- (5) All data mentioned is preliminary information

2-1 Nominal Capacity And Nominal Input				FFQ25B8V1B / RKS25J2V1B	FFQ35B8V1B / RKS35J2V1B	FFQ50B8V1B / RKS50J2V1B
Cooling capacity	Min.		kW	1.3	1.4	0.9
			Btu/h	4,400	4,750	3,050
			kcal/h	1,110	1,200	770
	Nom.		kW	2.5 (3)	3.4 (3)	4.7 (3)
			Btu/h	8,500 (3)	11,600 (3)	16,050 (3)
			kcal/h	2,150 (3)	2,920 (3)	4,040 (3)
	Max.		kW	3.0	3.7	5.6
			Btu/h	10,200	12,600	19,100
			kcal/h	2,580	3,180	4,820
Power input	Cooling	Min.	kW	0.30		0.45
		Nom.	kW	0.83	1.30	1.80
		Max.	kW	1.10	1.47	2.26
EER				3.01	2.62	2.61
Annual energy consumption			kWh	365	550	900
Energy label	Cooling			A	B	D
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.52		12.7
	Drain	OD	mm	26		
	Heat insulation			Both liquid and gas pipes		

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) All data mentioned is preliminary information

2 Specifications

2-1 Nominal Capacity And Nominal Input				FDKS25E7VMB / RKS25J2V1B	FDKS35E7VMB / RKS35J2V1B
Cooling capacity	Min.		kW	1.3 (3)	1.4 (3)
			Btu/h	4,400 (3)	4,800 (3)
			kcal/h	1,110 (3)	1,200 (3)
	Nom.		kW	2.4 (3)	3.4 (3)
			Btu/h	8,150 (3)	11,600 (3)
			kcal/h	2,060 (3)	2,920 (3)
	Max.		kW	3.0 (3)	3.8 (3)
			Btu/h	10,200 (3)	13,000 (3)
			kcal/h	2,580 (3)	3,260 (3)
Power input	Cooling	Nom.	kW	0.690	1.090
EER				3.48	3.12
Annual energy consumption				345	545
Energy label	Cooling			A	B
Piping connections	Liquid	OD	mm	6.35	
	Gas	OD	mm	9.52	
	Drain	OD	mm	26	
	Heat insulation			Both liquid and gas pipes	

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) All data mentioned is preliminary information

2-1 Nominal Capacity And Nominal Input				FVXS25FV1B / RKS25J2V1B	FVXS35FV1B / RKS35J2V1B	FVXS50FV1B / RKS50J2V1B
Cooling capacity	Min.		kW	1.3	1.4	
			Btu/h	4,400	4,800	
			kcal/h	1,120	1,200	
	Nom.		kW	2.5 (3)	3.5 (3)	5.0 (3)
			Btu/h	8,500 (3)	11,900 (3)	17,100 (3)
			kcal/h	2,150 (3)	3,010 (3)	4,300 (3)
	Max.		kW	3.0	3.8	5.6
			Btu/h	10,200	13,000	19,100
			kcal/h	2,580	3,270	4,820
Power input	Cooling	Min.	kW	0.30		0.50
		Nom.	kW	0.57	1.02	1.55
		Max.	kW	0.92	1.25	2.00
EER				4.39	3.43	3.23
Annual energy consumption			kWh	285	510	775
Energy label	Cooling			A		
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.52		12.7
	Drain	OD	mm	20.0		
	Heat insulation			Both liquid and gas pipes		

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) All data mentioned is preliminary information

2 Specifications

2-1 Nominal Capacity And Nominal Input				FLKS25BAVMB / RKS25J2V1B	FLKS35BAVMB / RKS35J2V1B	FLKS50BAVMB / RKS50J2V1B
Cooling capacity	Min.		kW	1.2		0.9
			Btu/h	4,100		3,070
			kcal/h	1,030		770
	Nom.		kW	2.5 (3)	3.5 (3)	4.9 (3)
			Btu/h	8,500 (3)	11,900 (3)	16,730 (3)
			kcal/h	2,150 (3)	3,010 (3)	4,210 (3)
	Max.		kW	3.0	3.8	5.3
			Btu/h	10,200	13,000	18,090
			kcal/h	2,580	3,270	4,560
Power input	Cooling	Min.	kW	0.30		0.45
		Nom.	kW	0.65	1.13	1.72
		Max.	kW	0.86	1.26	1.95
EER				3.85	3.10	2.85
Annual energy consumption			kWh	325	565	860
Energy label	Cooling			A	B	C
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.52		12.7
	Drain	OD	mm	18.0		
	Heat insulation			Both liquid and gas pipes		

Notes

- (1) Energy label: scale from A (most efficient) to G (less efficient)
- (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)
- (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m
- (4) All data mentioned is preliminary information

2-2 Technical Specifications					RKS20J2V1B		RKS25J2V1B		RKS35J2V1B		RKS42J2V1B		RKS50J2V1B	
Casing	Colour				Ivory white									
Dimensions	Unit	Height		mm	550							735		
		Width		mm	765							825		
		Depth		mm	285							300		
	Packed unit	Height		mm	612							797		
		Width		mm	906							960		
		Depth		mm	364							390		
Weight	Unit			kg	32					39		47		
	Packed unit			kg	35					45		52		
Heat exchanger	Length			mm	828					810		845		
	Rows		Quantity		1		2							
	Fin pitch			mm	1.4					1.5		1.8		
	Stages		Quantity		24							32		
	Tube type				ø7 Hi-XA					ø8 Hi-XA				
	Fin	Type			Waffle louvered fin									
		Treatment			Anti-corrosion treatment (PE)									
Fan	Type				Propeller fan									
	Air flow rate	Cooling	High	m³/min	36.2	33.5		36.0		37.3		50.9		
				cfm	1,278	1,183		1,271		1,317		1,797		
		Super low	m³/min	32.7	30.1				30.6		48.9			
			cfm	1,155	1,063				1,080		1,727			
	Heating	Super low	m³/min	-										
			cfm	-										
Fan motor	Model				D23H-28					D50R-28		KFD-380-50-8C		
	Output			W	23					50		53		
	Speed	Cooling	High	rpm	860			920		890		780		
			Super low	rpm	780					790		670		
		Heating	Super low	rpm	-									
Sound power level	Cooling	High		dBA	61				63					

2 Specifications

2-2 Technical Specifications					RKS20J2V1B	RKS25J2V1B	RKS35J2V1B	RKS42J2V1B	RKS50J2V1B
Sound pressure level	Cooling	High	dBA		46		48		
		Silent operation	dBA		43		44		
Compressor	Model				1YC23AEXD			2YC36BXD	
	Type				Hermetically sealed swing compressor				
	Output			W	600			1,100	
Operation range	Cooling	Ambien t	Min.	°CDB	-10				
			Max.	°CDB	46				
Refrigerant	Type				R-410A				
	Charge			kg	0.8	1.0	1.2	1.3	1.7
Refrigerant oil	Type				FVC50K				
	Charged volume			l	0.375			0.65	
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.52				12.7
	Drain	Type			Hole				
		ID		mm	15.9				
	Piping length	OU - IU	Max.	m	20				30
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m	15				20

2-3 Electrical Specifications				RKS20J2V1B	RKS25J2V1B	RKS35J2V1B	RKS42J2V1B	RKS50J2V1B
Power supply	Phase			1~				
	Frequency		Hz	50				
	Voltage		V	220-240				
Current	Nominal running current (RLA)	Cooling	A	2.5 (1) 2.4 (2) 2.3 (3)	3.0 (1) 2.8 (2) 2.7 (3)	4.3 (1) 4.1 (2) 3.9 (3)	6.0 (1) 5.7 (2) 5.5 (3)	6.7 (1) 6.4 (2) 6.1 (3)
	Starting current	Cooling	A	2.6	3.1	4.4	6.1	6.8
Wiring connections	For power supply	Quantity		3				
	For connection with indoor	Quantity		4				
		Remark		Earth wire included				

Notes

(1) 220V

(2) 240V

3 Electrical data

3 - 1 Electrical Data

FTKS20J2V1B + RKS20J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS20J2V1B	RKS20J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.1	23	0.23	23	0.15
		50 - 230					2.0				
		50 - 240					1.9				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27°C DB/19.0 °C WB.
Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
 MFA : Max. Fuse Amps (A)
 RLA : Rated Load Amps (A)
 OFM : Outdoor Fan Motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated Operating Frequency (Hz)

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RKS25J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25J2V1B	RKS25J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	45	2.6	23	0.23	23	0.15
		50 - 230					2.4				
		50 - 240					2.3				
FVXS25FV1B	RKS25J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	3.0	23	0.23	48	0.05
		50 - 230					2.8				
		50 - 240					2.7				
FFQ25B8V1B	RKS25J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.4	23	0.23	55	0.60
		50 - 230					2.3				
		50 - 240					2.1				
FLKS25BAVMB	RKS25J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.7	23	0.23	34	0.34
		50 - 230					2.5				
		50 - 240					2.4				
FDKS25E7VMB	RKS25J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	2.5	23	0.23	62	0.50
		50 - 230					2.4				
		50 - 240					2.2				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27°C DB/19.0 °C WB.
Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
 MFA : Max. Fuse Amps (A)
 RLA : Rated Load Amps (A)
 OFM : Outdoor Fan Motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated Operating Frequency (Hz)

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3 Electrical data

3 - 1 Electrical Data

RKS35J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS35J2V1B	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	65	3.9	23	0.23	23	0.15
		50 - 230					3.7				
		50 - 240					3.5				
FVXS35FV1B	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.8	23	0.23	48	0.05
		50 - 230					4.6				
		50 - 240					4.4				
FFQ35B8V1B	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.3	23	0.23	55	0.60
		50 - 230					4.1				
		50 - 240					3.9				
FHQ35BV1B	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.3	23	0.23	62	0.60
		50 - 230					4.1				
		50 - 240					3.9				
FBQ35C7VEB	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.4	23	0.23	65	0.50
		50 - 230					4.2				
		50 - 240					4.0				
FLKS35BAMVB	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.5	23	0.23	34	0.38
		50 - 230					4.3				
		50 - 240					4.1				
FDKS35E7VMB	RKS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.4	23	0.23	62	0.50
		50 - 230					4.2				
		50 - 240					4.0				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27°C DB/19.0 °C WB.
Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
 MFA : Max. Fuse Amps (A)
 RLA : Rated Load Amps (A)
 OFM : Outdoor Fan Motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated Operating Frequency (Hz)

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FTXS42J2V1B + RKS42J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42J2V1B	RKS42J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	14.75	20	57	5.6	50	0.23	23	0.15
		50 - 230					5.3				
		50 - 240					5.1				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27°C DB/19.0 °C WB.
Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
 MFA : Max. Fuse Amps (A)
 RLA : Rated Load Amps (A)
 OFM : Outdoor Fan Motor
 IFM : Indoor Fan Motor
 FLA : Full Load Amps (A)
 W : Fan Motor Rated Output (W)
 RHz : Rated Operating Frequency (Hz)

3D059709B

3 Electrical data

3 - 1 Electrical Data

RKS50J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50J2V1B	RKS50J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	66	6.3	53	0.27	23	0.15
		50 - 230					6.0				
		50 - 240					5.7				
FVXS50FV1B	RKS50J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	19.75	120	69	6.7	53	0.27	48	0.10
		50 - 230					6.3				
		50 - 240					6.1				

NOTES

1. RLA is based on the following conditions,
Indoor temp. 27°C DB/19.0 °C WB.
Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

- MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

3D070939

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXS20J2V1B + RKS20J2V1B

COOLING 50Hz 220-240V

AFR	9.4
BF	0.14

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.05	1.84	0.35	1.96	1.80	0.38	1.86	1.76	0.41	1.83	1.74	0.43	1.77	1.71	0.45	1.68	1.67	0.48
16.0	22	2.14	1.81	0.35	2.05	1.77	0.38	1.95	1.73	0.41	1.92	1.72	0.43	1.86	1.69	0.45	1.77	1.66	0.48
18.0	25	2.23	1.94	0.35	2.14	1.90	0.38	2.05	1.87	0.42	2.01	1.85	0.43	1.95	1.83	0.45	1.86	1.80	0.48
19.0	27	2.28	2.09	0.35	2.19	2.05	0.38	2.09	2.02	0.42	2.06	2.00	0.43	2.00	1.98	0.45	1.91	1.95	0.48
22.0	30	2.42	2.03	0.35	2.32	2.00	0.39	2.23	1.97	0.42	2.19	1.96	0.43	2.14	1.94	0.45	2.05	1.91	0.49
24.0	32	2.51	1.99	0.36	2.42	1.96	0.39	2.32	1.93	0.42	2.29	1.92	0.44	2.23	1.91	0.45	2.14	1.88	0.49

3D070642

SYMBOLS

AFR: Air flow rate (m³/min)
 BF: Bypass factor
 EWB: Entering wet bulb temp. (°C)
 EDB: Entering dry bulb temp. (°C)

TC: Total capacity (kW)
 SHC: Sensible heat capacity (kW)
 PI: Power input (kW)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables (figures out of the tables should not be used for calculation).
- About SHC which are not mentioned on the table: please calculate them with around values in direct proportion.
- Capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m; Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTXS25J2V1B + RKS25J2V1B

COOLING 50Hz 220-240V

AFR	10.8
BF	0.16

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	2.18	0.41	2.44	2.13	0.45	2.33	2.08	0.49	2.28	2.05	0.51	2.21	2.02	0.53	2.10	1.97	0.57
16.0	22	2.68	2.15	0.41	2.56	2.10	0.45	2.44	2.05	0.49	2.40	2.03	0.51	2.33	2.00	0.53	2.21	1.95	0.57
18.0	25	2.79	2.29	0.42	2.68	2.24	0.45	2.56	2.20	0.49	2.51	2.18	0.51	2.44	2.15	0.53	2.33	2.10	0.57
19.0	27	2.85	2.45	0.42	2.73	2.41	0.46	2.62	2.36	0.50	2.57	2.34	0.51	2.50	2.32	0.54	2.38	2.27	0.57
22.0	30	3.02	2.38	0.42	2.91	2.34	0.46	2.79	2.30	0.50	2.74	2.28	0.51	2.67	2.26	0.54	2.56	2.22	0.58
24.0	32	3.14	2.33	0.42	3.02	2.29	0.46	2.90	2.26	0.50	2.86	2.24	0.52	2.79	2.22	0.54	2.67	2.19	0.58

3D070647

SYMBOLS

AFR: Air flow rate (m³/min)
 BF: Bypass factor
 EWB: Entering wet bulb temp. (°C)
 EDB: Entering dry bulb temp. (°C)

TC: Total capacity (kW)
 SHC: Sensible heat capacity (kW)
 PI: Power input (kW)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables (figures out of the tables should not be used for calculation).
- About SHC which are not mentioned on the table: please calculate them with around values in direct proportion.
- Capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m; Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXS35J2V1B + RKS35J2V1B

COOLING 50Hz 220-240V

AFR	11.4
BF	0.21

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.59	2.67	0.66	3.42	2.59	0.72	3.26	2.51	0.79	3.19	2.48	0.81	3.10	2.43	0.85	2.93	2.35	0.91
16.0	22	3.75	2.63	0.66	3.58	2.55	0.73	3.42	2.48	0.79	3.36	2.45	0.82	3.26	2.40	0.85	3.10	2.33	0.92
18.0	25	3.91	2.75	0.67	3.75	2.68	0.73	3.58	2.61	0.79	3.52	2.58	0.82	3.42	2.54	0.86	3.26	2.47	0.92
19.0	27	3.99	2.91	0.67	3.83	2.84	0.73	3.66	2.77	0.80	3.60	2.74	0.82	3.50	2.70	0.86	3.34	2.64	0.92
22.0	30	4.23	2.80	0.67	4.07	2.74	0.74	3.90	2.68	0.80	3.84	2.66	0.83	3.74	2.62	0.87	3.58	2.57	0.93
24.0	32	4.39	2.73	0.68	4.23	2.67	0.74	4.07	2.62	0.81	4.00	2.60	0.83	3.90	2.57	0.87	3.74	2.51	0.93

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SYMBOLS

AFR: Air flow rate (m³/min)
 BF: Bypass factor
 EWB: Entering wet bulb temp. (°C)
 EDB: Entering dry bulb temp. (°C)

TC: Total capacity (kW)
 SHC: Sensible heat capacity (kW)
 PI: Power input (kW)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables (figures out of the tables should not be used for calculation).
- About SHC which are not mentioned on the table: please calculate them with around values in direct proportion.
- Capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m; Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTXS42J2V1B + RKS42J2V1B

COOLING 50Hz 220-240V

AFR	11.3
BF	0.14

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.30	3.10	0.93	4.11	3.00	1.02	3.91	2.90	1.11	3.83	2.87	1.14	3.72	2.81	1.20	3.52	2.71	1.29
16.0	22	4.50	3.05	0.93	4.30	2.96	1.02	4.11	2.86	1.11	4.03	2.83	1.15	3.91	2.77	1.20	3.71	2.68	1.29
18.0	25	4.69	3.18	0.94	4.49	3.09	1.03	4.30	3.01	1.12	4.22	2.97	1.15	4.10	2.92	1.21	3.91	2.83	1.30
19.0	27	4.79	3.34	0.94	4.59	3.26	1.03	4.40	3.17	1.12	4.32	3.14	1.16	4.20	3.09	1.21	4.00	3.01	1.30
22.0	30	5.08	3.22	0.95	4.88	3.14	1.04	4.69	3.07	1.13	4.61	3.04	1.16	4.49	2.99	1.22	4.29	2.92	1.31
24.0	32	5.27	3.13	0.96	5.07	3.06	1.04	4.88	2.99	1.13	4.80	2.96	1.17	4.68	2.92	1.22	4.49	2.86	1.31

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SYMBOLS

AFR: Air flow rate (m³/min)
 BF: Bypass factor
 EWB: Entering wet bulb temp. (°C)
 EDB: Entering dry bulb temp. (°C)

TC: Total capacity (kW)
 SHC: Sensible heat capacity (kW)
 PI: Power input (kW)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables (figures out of the tables should not be used for calculation).
- About SHC which are not mentioned on the table: please calculate them with around values in direct proportion.
- Capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m; Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling Capacity Tables

FTXS50J2V1B + RKS50J2V1B

COOLING 50Hz 220-240V

AFR	11.6
BF	0.18

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	4.62	3.26	1.07	4.62	3.26	1.20	4.62	3.26	1.33	4.56	3.22	1.38	4.42	3.15	1.44	4.19	3.03	1.55
16.0	22.0	5.35	3.47	1.13	5.12	3.34	1.23	4.89	3.23	1.34	4.79	3.18	1.39	4.65	3.11	1.45	4.42	3.00	1.56
18.0	25.0	5.58	3.58	1.13	5.35	3.47	1.24	5.12	3.36	1.35	5.02	3.31	1.39	4.88	3.25	1.46	4.65	3.14	1.56
19.0	27.0	5.70	3.73	1.14	5.47	3.62	1.24	5.23	3.51	1.35	5.14	3.47	1.40	5.00	3.41	1.46	4.77	3.31	1.57
22.0	30.0	6.04	3.58	1.15	5.81	3.48	1.25	5.58	3.39	1.36	5.49	3.35	1.40	5.35	3.30	1.47	5.11	3.20	1.58
24.0	32.0	6.27	3.47	1.15	6.04	3.38	1.26	5.81	3.30	1.37	5.72	3.26	1.41	5.58	3.21	1.48	5.34	3.13	1.58

3D070730

SYMBOLS

AFR: Air flow rate (m³/min)
 BF: Bypass factor
 EWB: Entering wet bulb temp. (°C)
 EDB: Entering dry bulb temp. (°C)

TC: Total capacity (kW)
 SHC: Sensible heat capacity (kW)
 PI: Power input (kW)

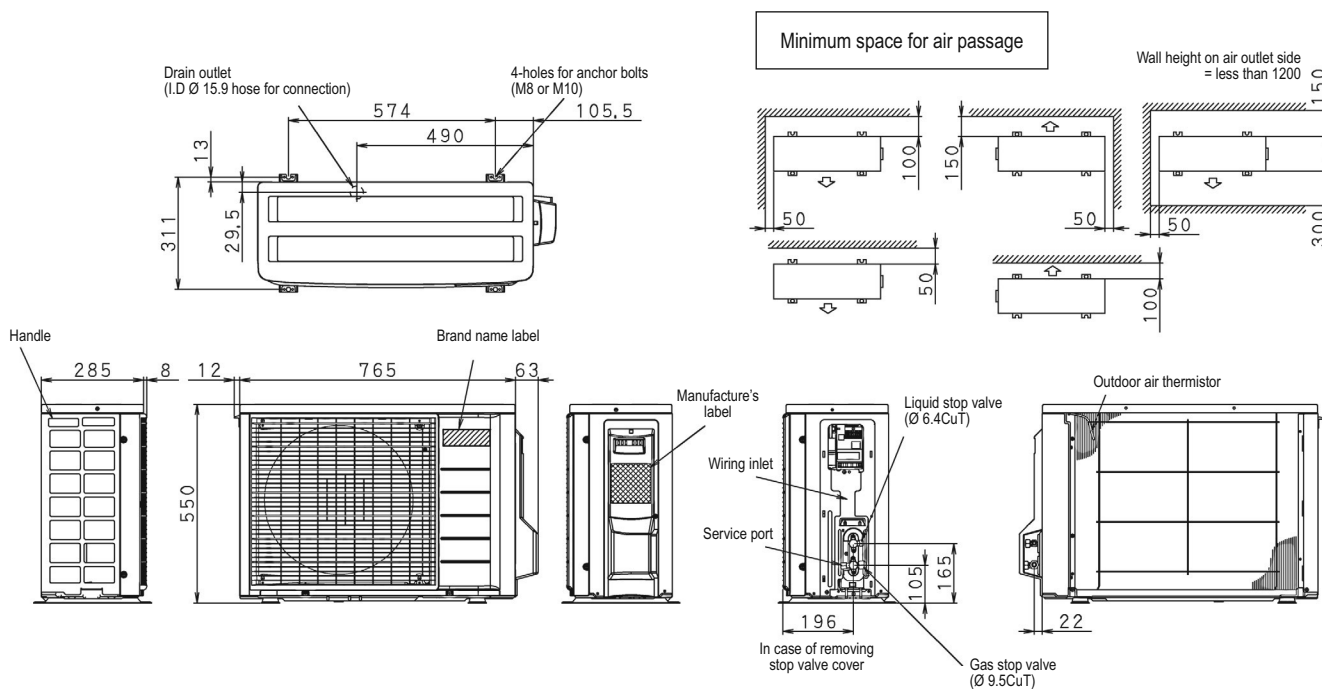
NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables (figures out of the tables should not be used for calculation).
- About SHC which are not mentioned on the table: please calculate them with around values in direct proportion.
- Capacities are based on the following conditions: Corresponding refrigerant piping length: 5 m; Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

5 Dimensional drawings

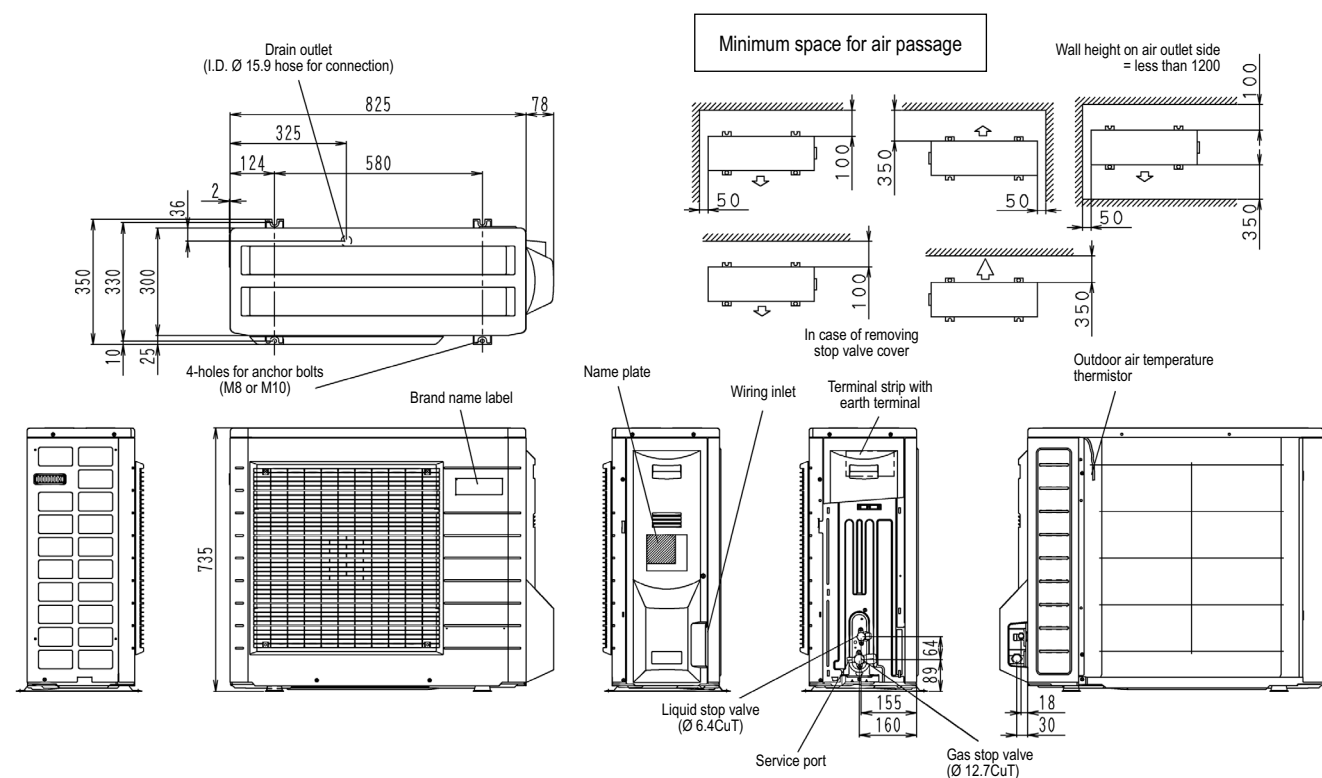
5 - 1 Dimensional Drawings

RKS20-42J2V1B



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RKS50J2V1B

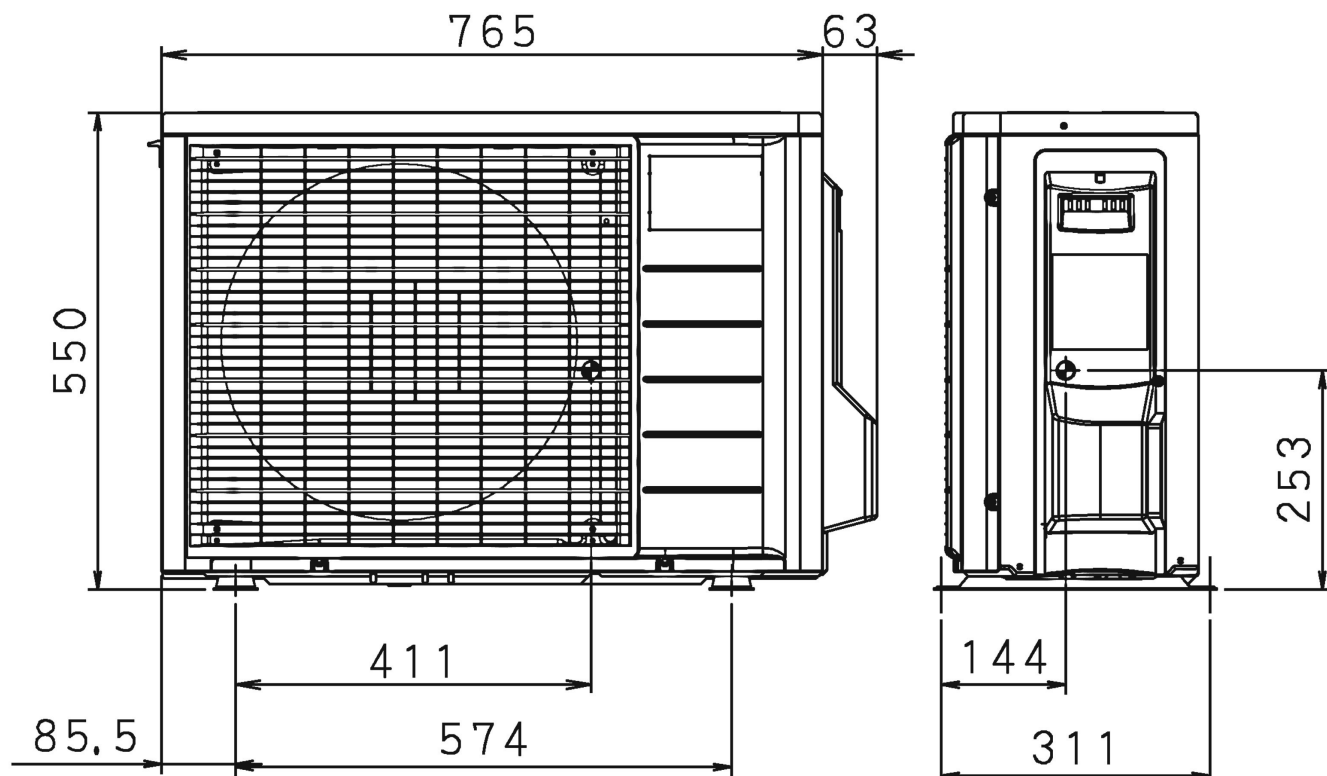


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6 Centre of gravity

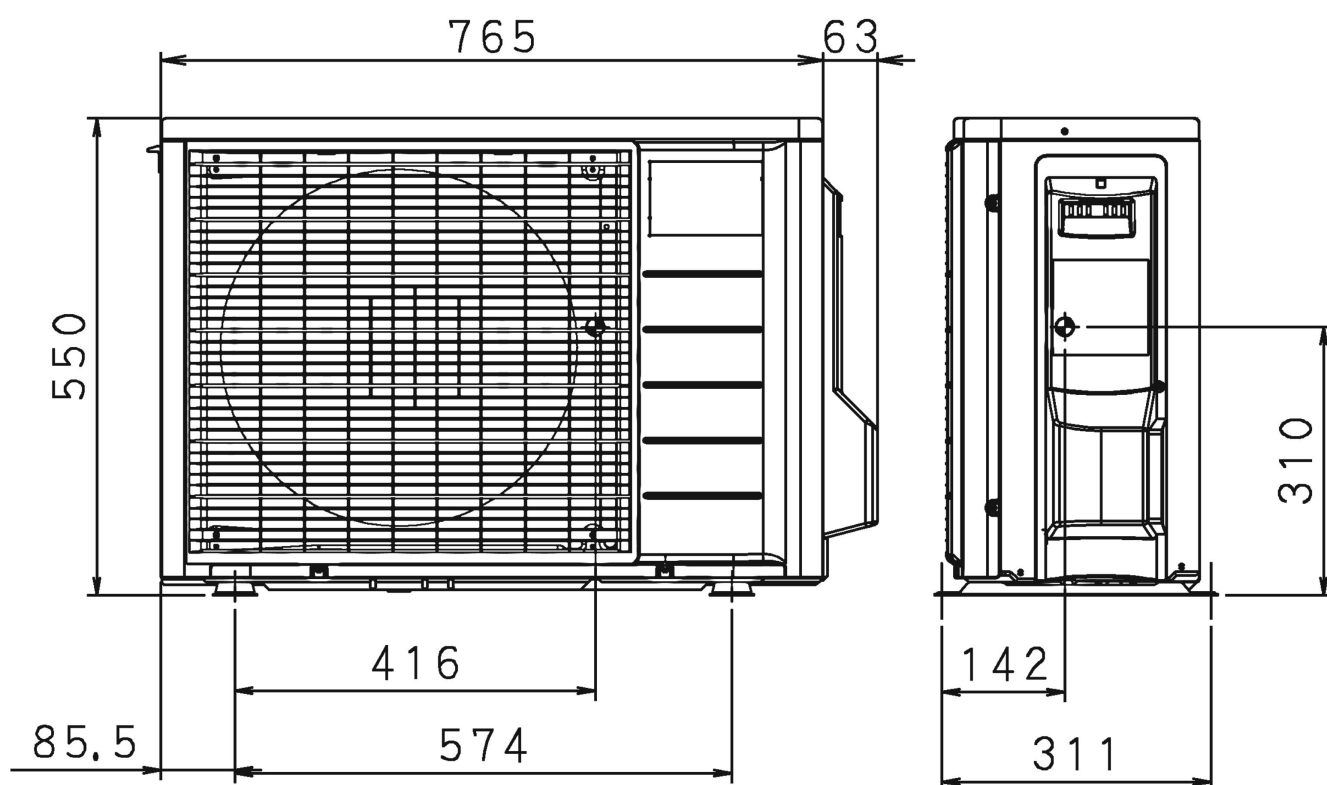
6 - 1 Centre of Gravity

RKS20-35J2V1B



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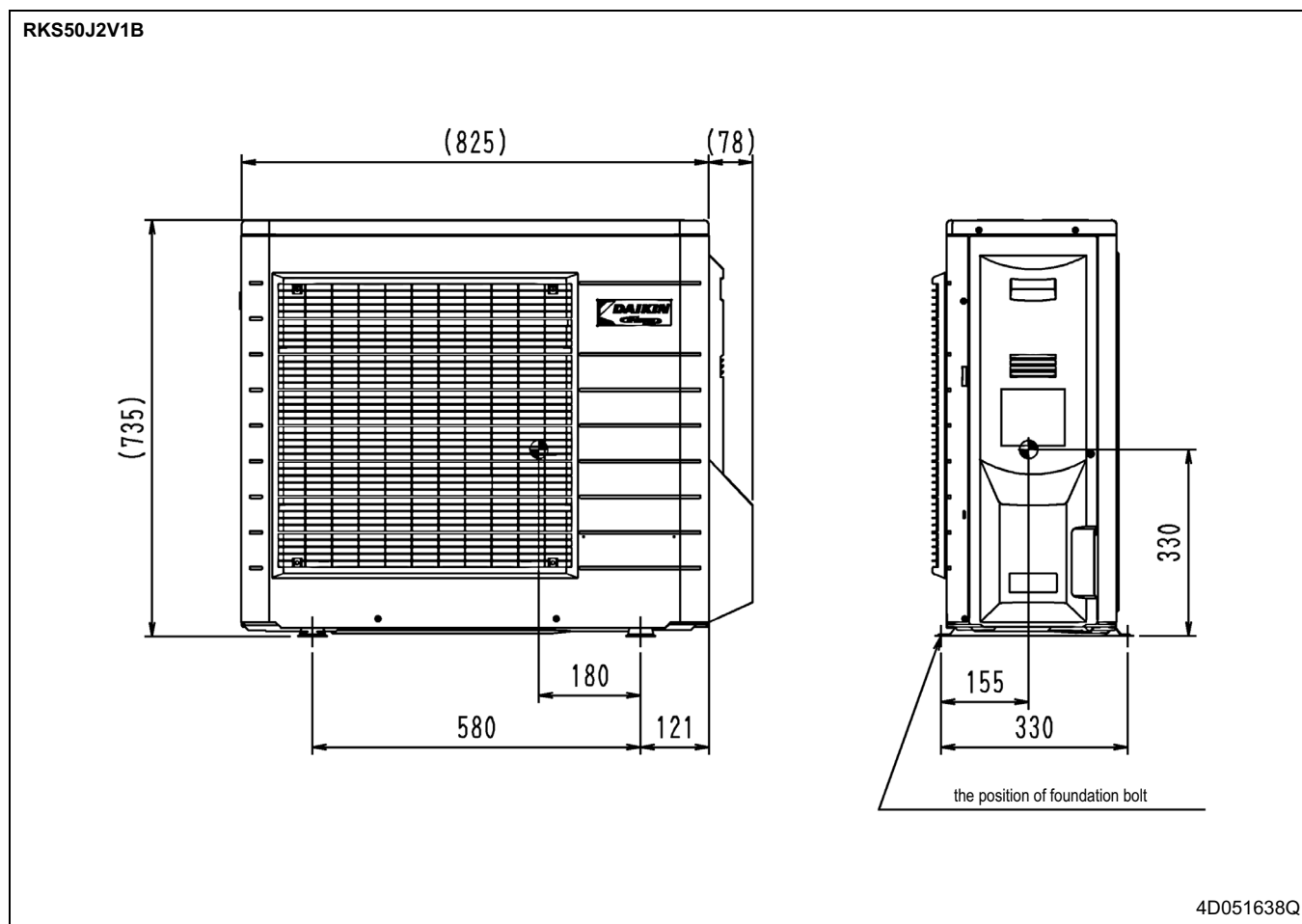
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6 Centre of gravity

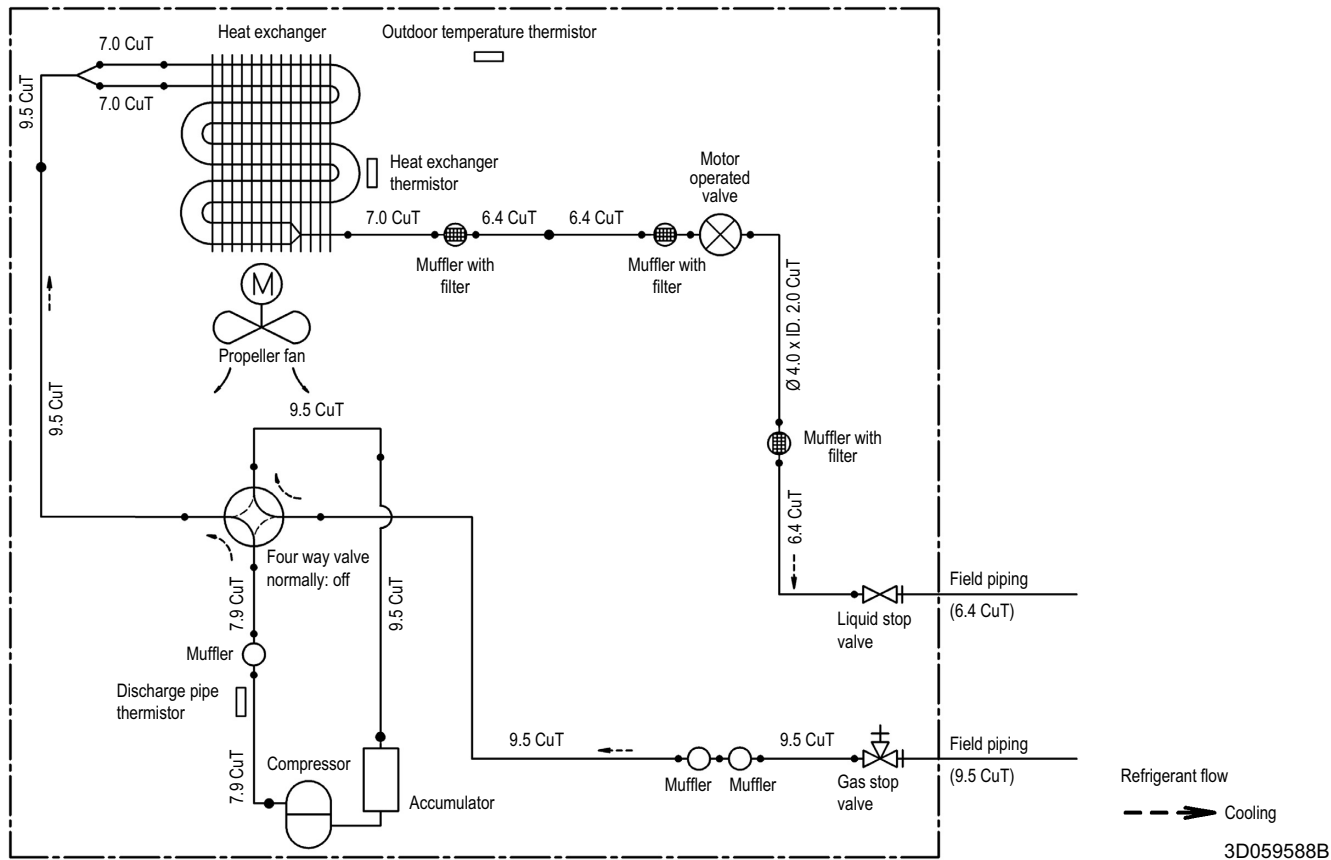
6 - 1 Centre of Gravity



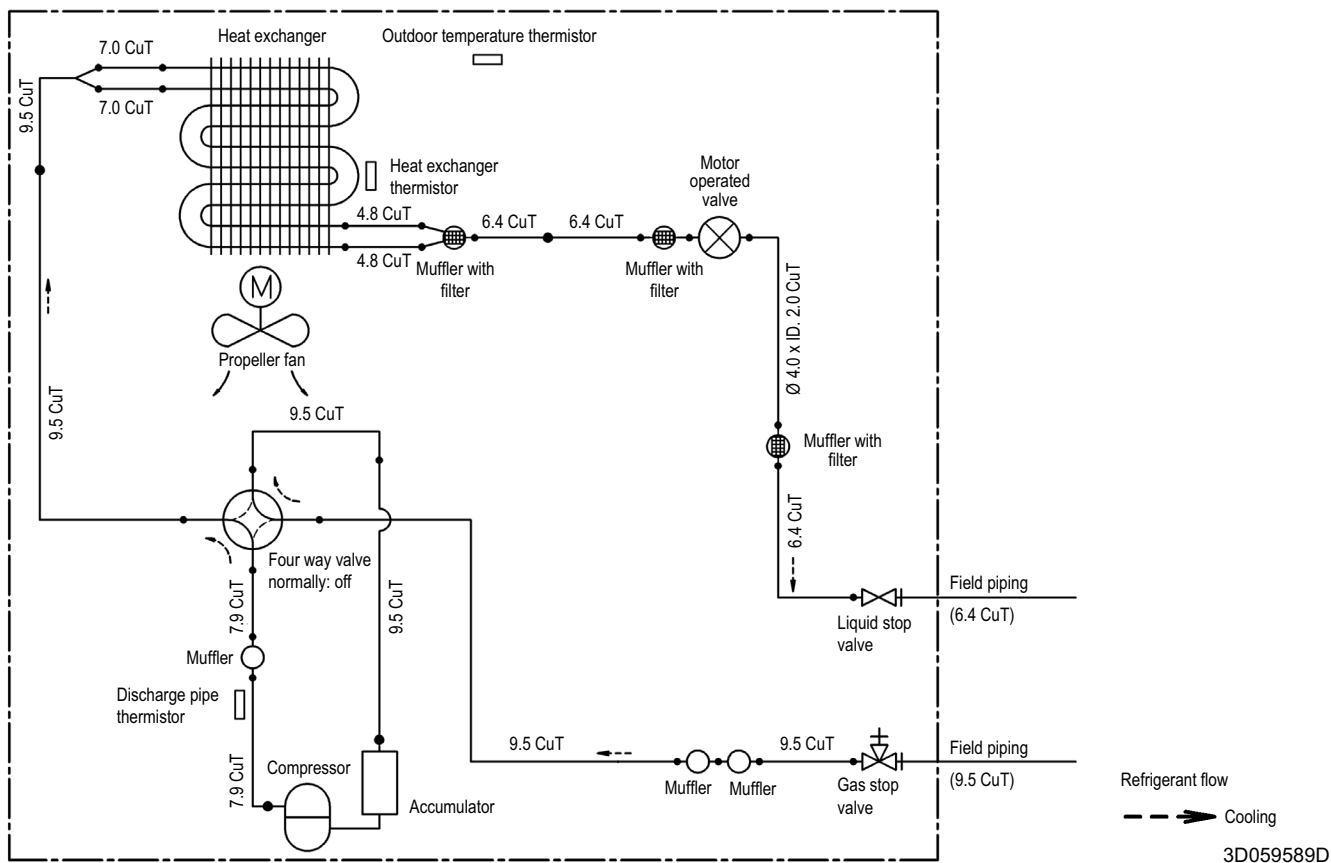
7 Piping diagrams

7 - 1 Piping Diagrams

RKS20J2V1B



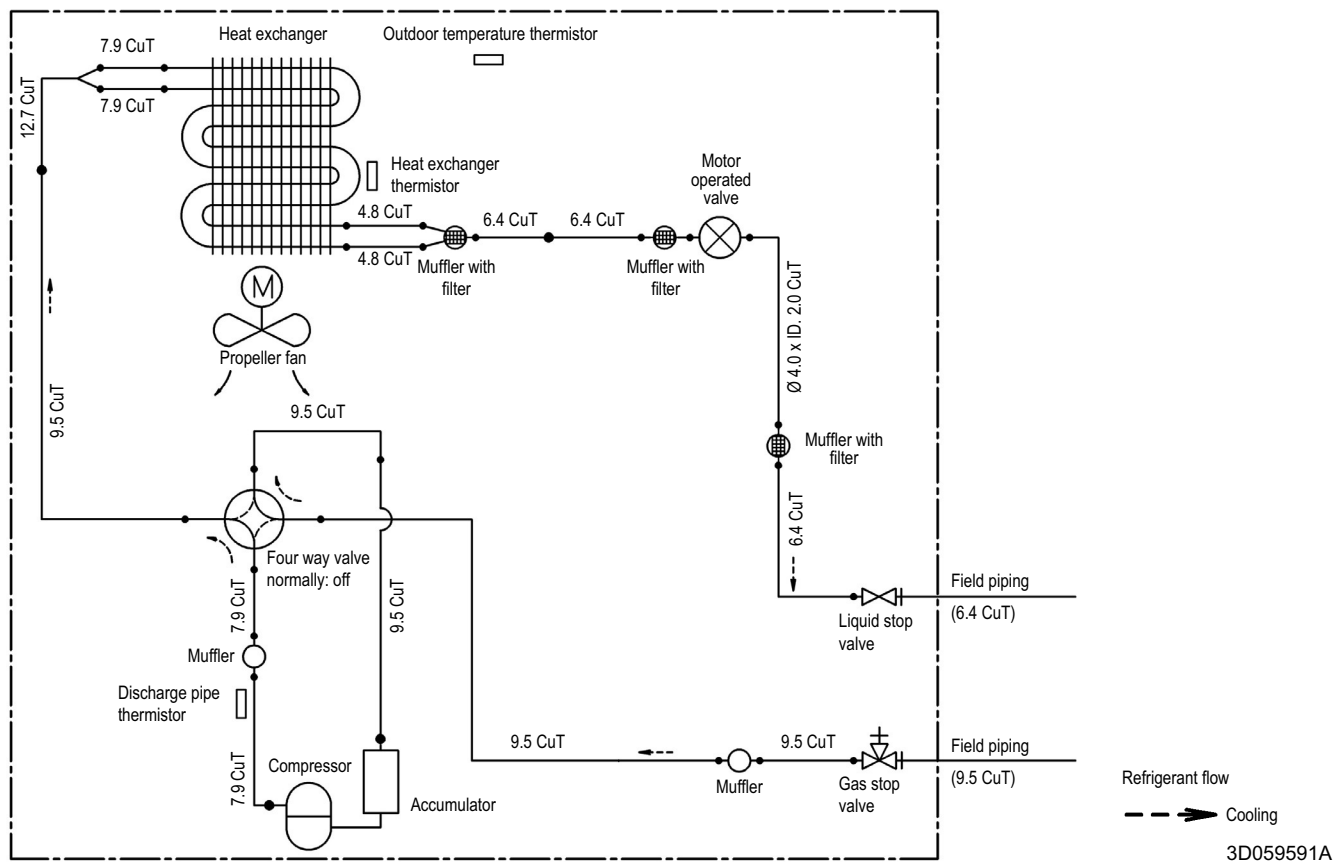
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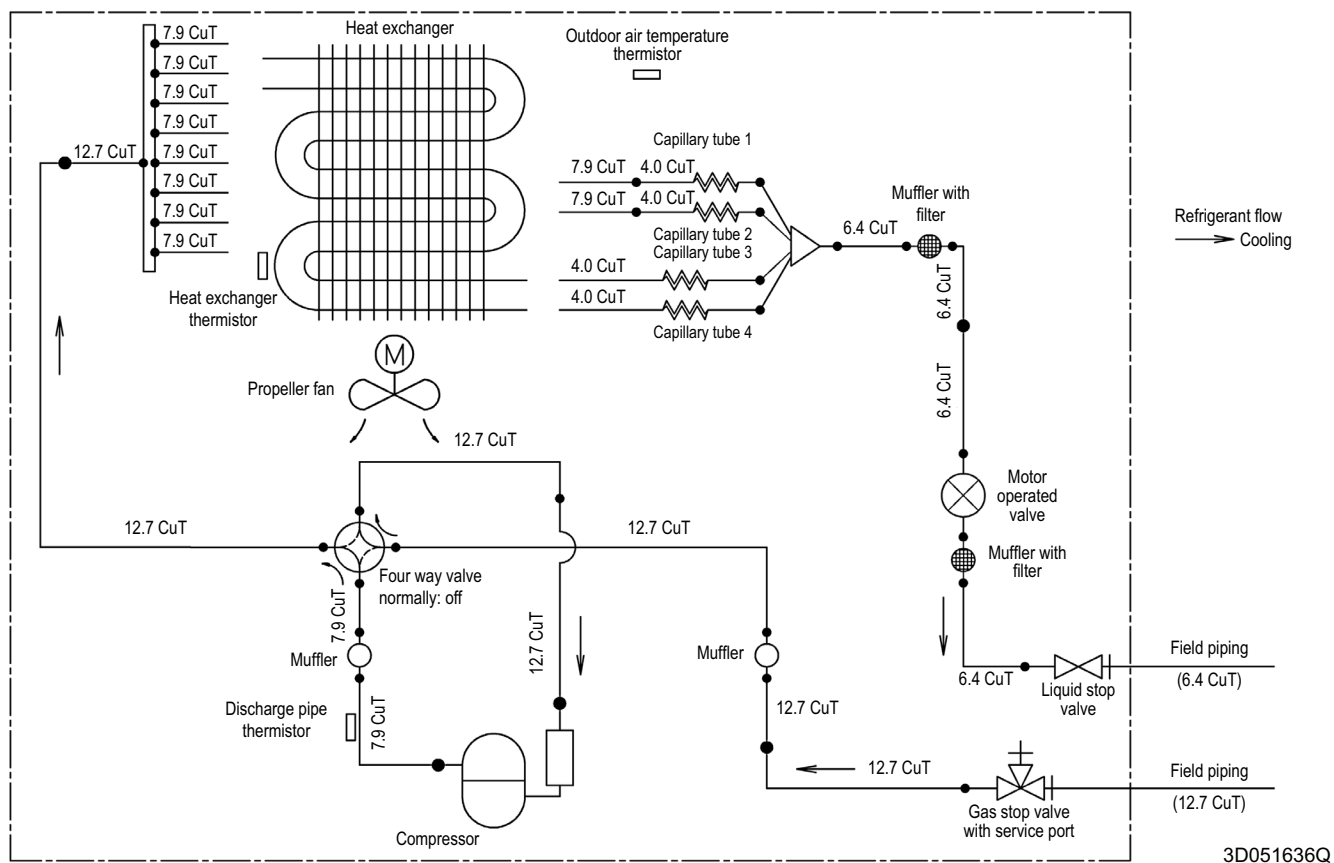
7 Piping diagrams

7 - 1 Piping Diagrams

RKS42J2V1B

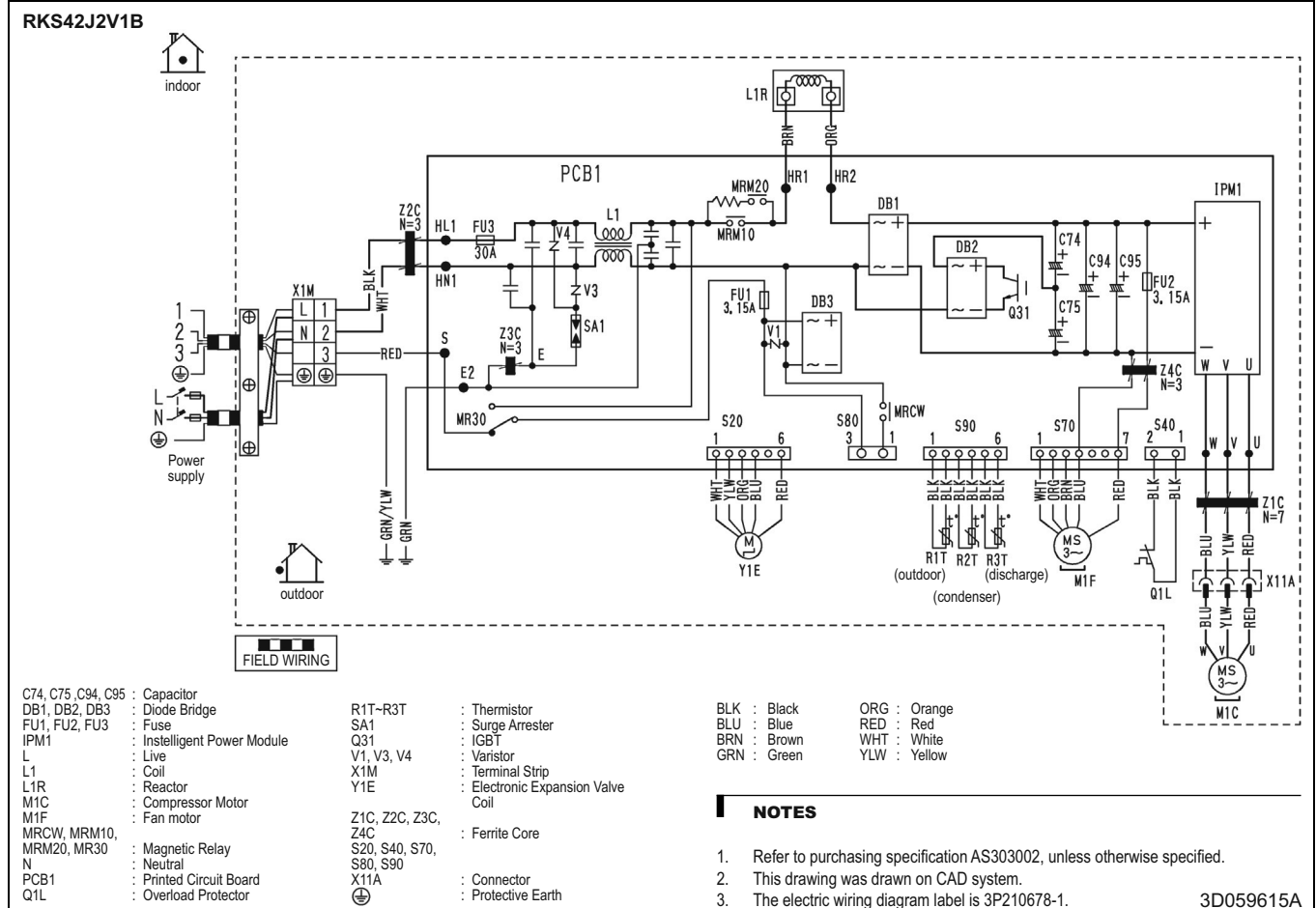
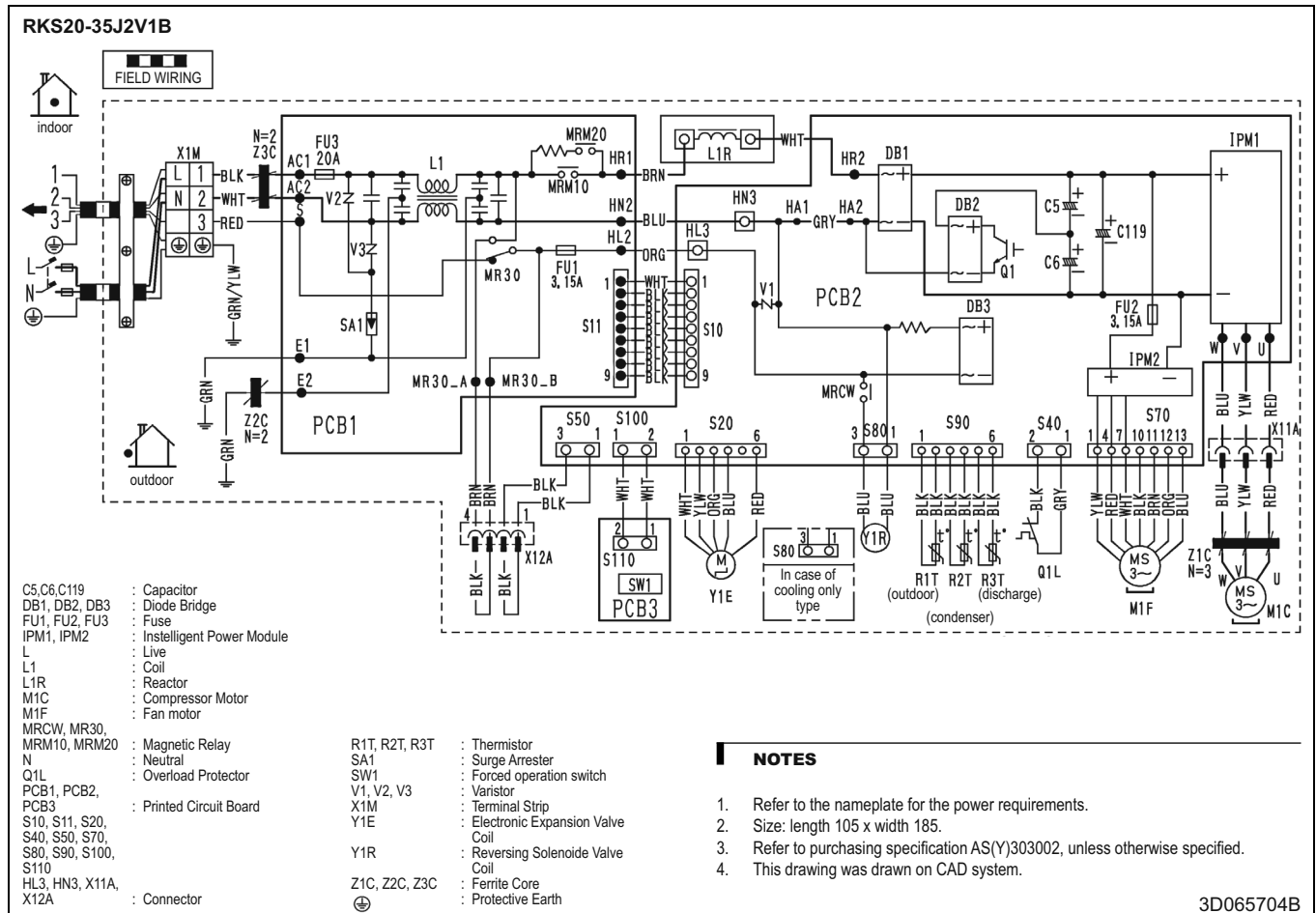


RKS50J2V1B



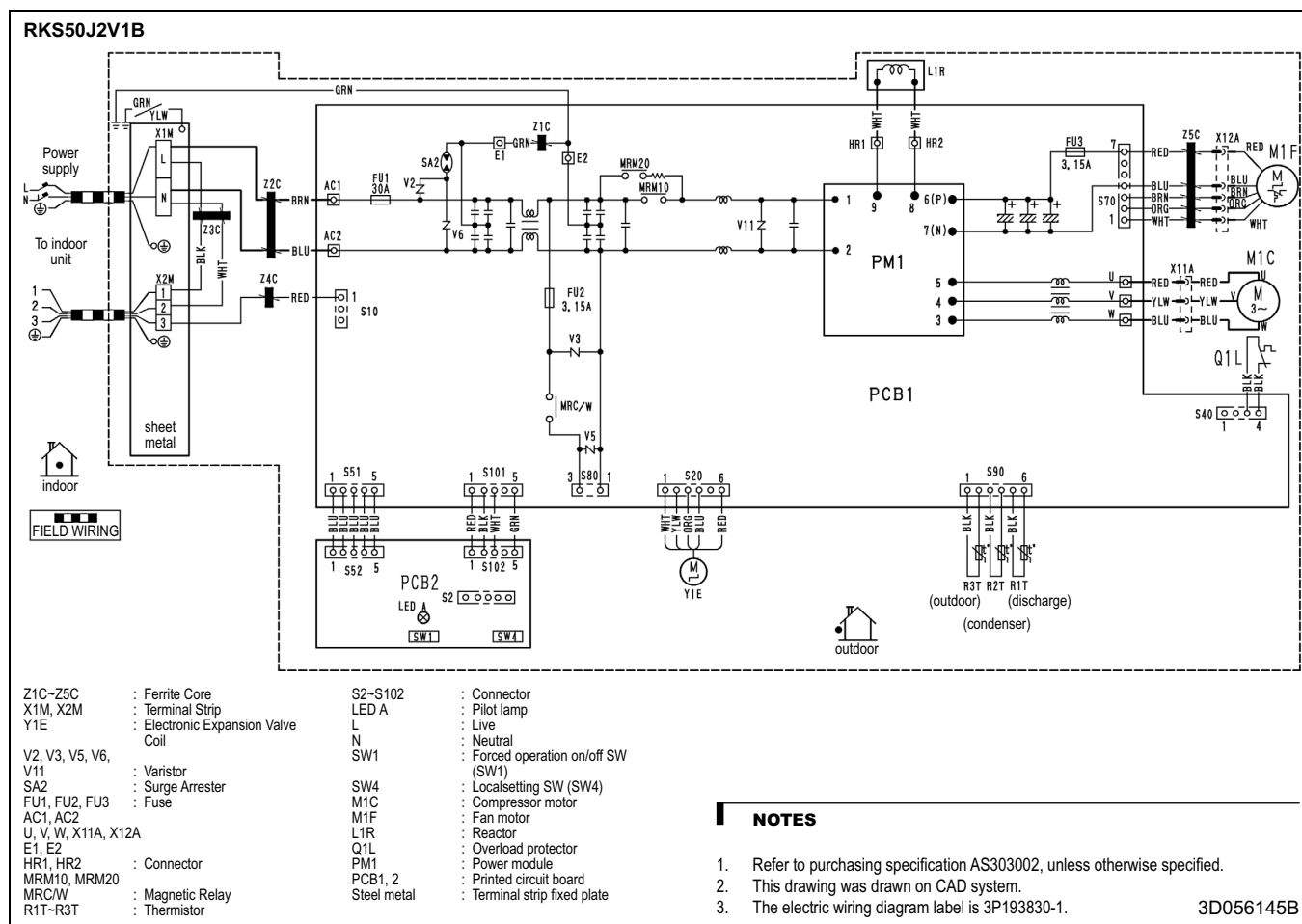
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase



8 Wiring diagrams

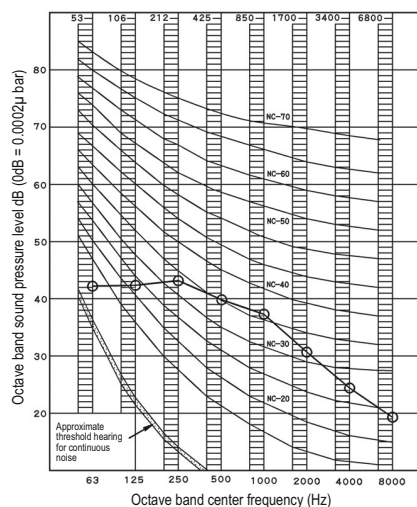
8 - 1 Wiring Diagrams - Single Phase



9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RKS20-25J2V1B

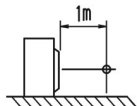


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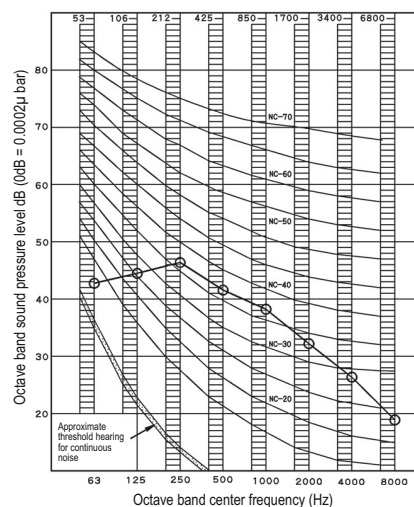
NOTES

- Over All (dB): (B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operating conditions: Power source: 220~240V 50Hz JIS standard
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

Scale	50 Hz 220~240V (H)
A	46



RKS35J2V1B

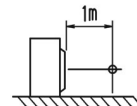


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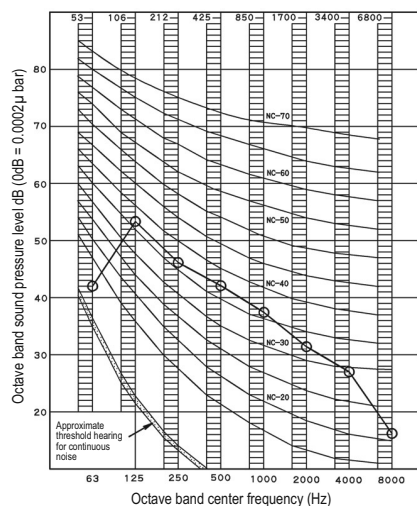
NOTES

- Over All (dB): (B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operating conditions: Power source: 220~240V 50Hz JIS standard
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

Scale	50 Hz 220~240V (H)
A	48



RKS42J2V1B

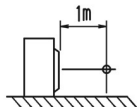


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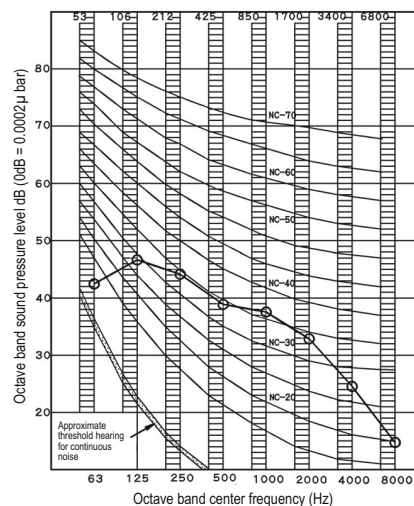
NOTES

- Over All (dB): (B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operating conditions: Power source: 220~240V 50Hz JIS standard
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

Scale	50 Hz 220~240V (H)
A	48



RKS50J2V1B

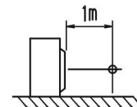


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NOTES

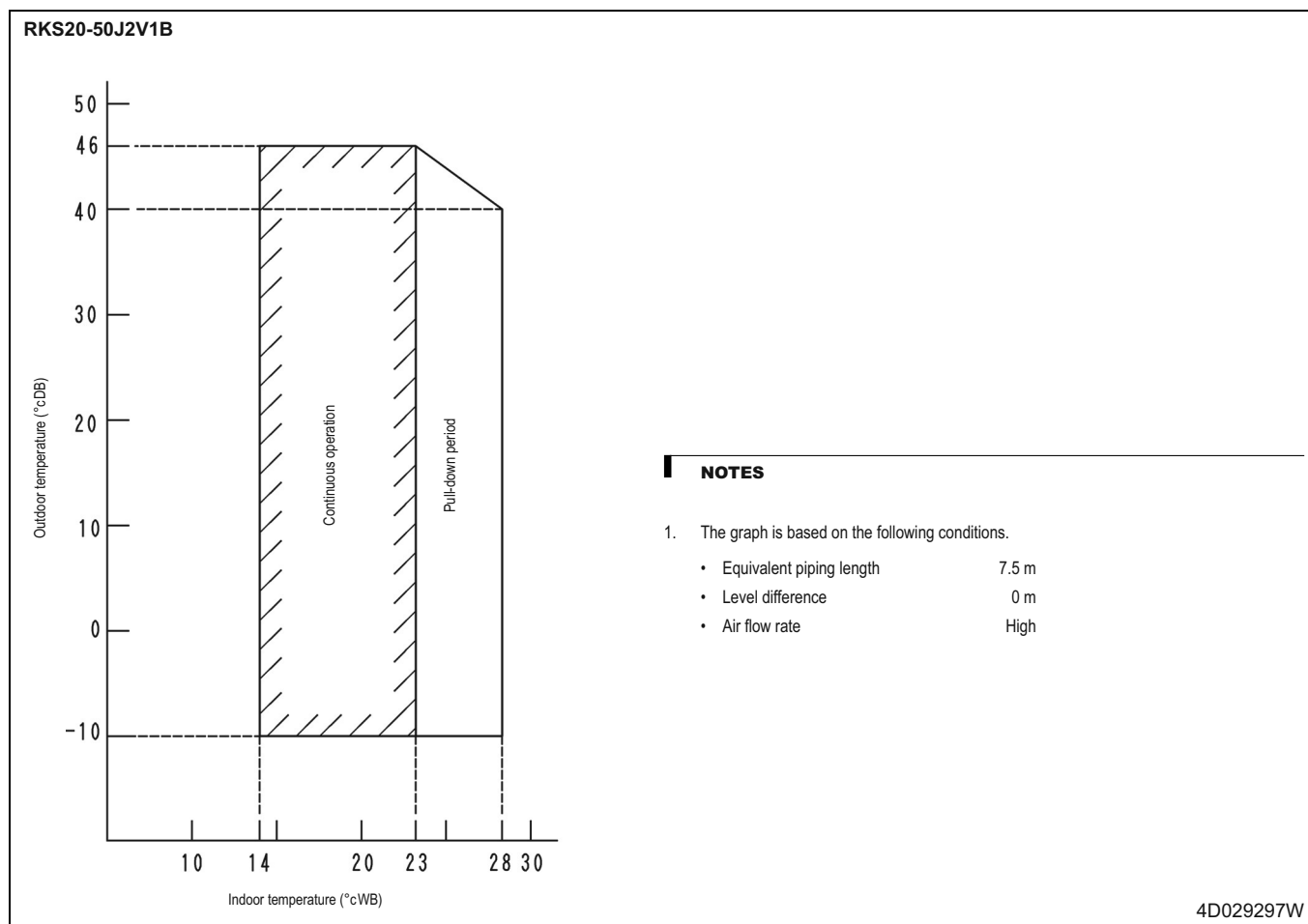
- Over All (dB): (B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operating conditions: Power source: 220~240V 50Hz JIS standard
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

Scale	50 Hz 220~240V (H)
A	48



10 Operation range

10 - 1 Operation Range



In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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