

1 Features

- Outdoor units for pair application
- Daikin outdoor units are neat and sturdy and can be mounted easily 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



2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
For combination indoor units + outdoor units	Indoor Units			FTXS20G2V1B	FTXS25G2V1B	FTXS35G2V1B	FTXS42G2V1B	FTXS50G2V1B
Cooling capacity	Minimum	kW		1.3	1.3	1.4	1.7	1.7
		Btu/h		4,400	4,400	4,800	5,800	5,800
		Kcal/h		1,120	1,120	1,200	1,460	1,460
	Standard	kW		2.0	2.5	3.5	4.2	5.0
		Btu/h		6,800	8,500	11,900	14,300	17,100
		Kcal/h		1,720	2,150	3,010	3,610	4,300
	Maximum	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
Heating capacity	Minimum	kW		1.3	1.3	1.4	1.7	1.7
		Btu/h		4,400	4,400	4,800	5,800	5,800
		Kcal/h		1,120	1,120	1,200	1,460	1,460
	Standard	kW		2.7	3.4	4.0	5.4	5.8
		Btu/h		9,200	11,600	13,600	18,400	19,800
		Kcal/h		2,320	2,920	3,440	4,640	4,990
	Maximum	kW		4.3	4.7	5.2	6.0	6.5
		Btu/h		14,700	16,000	17,700	20,500	22,200
		Kcal/h		3,700	4,040	4,470	5,160	5,590
Power Input	Cooling	Minimum	kW	0.32	0.32	0.35	0.44	0.44
		Standard	kW	0.47	0.55	0.87	1.22	1.52
		Maximum	kW	0.91	0.81	1.19	2.23	1.81
	Heating	Minimum	kW	0.31	0.31	0.34	0.40	0.40
		Standard	kW	0.63	0.75	0.96	1.47	1.57
		Maximum	kW	1.36	1.29	1.46	1.98	2.00
For combination indoor units + outdoor units	EER	Nominal		4.26	4.55	4.02	3.44	3.29
	COP	Nominal		4.29	4.53	4.17	3.67	3.69
	Energy Label	Cooling		A				
		Heating		A				
	Annual energy consumption	kWh		235	275	435	610	760
Indoor Units					FDXS25EAVMB	FDXS35EAVMB		FDXS50CVMB
Cooling capacity	Minimum	kW			1.3	1.4		1.7
		Btu/h			4,400	4,800		5,800
		Kcal/h			1,110	1,200		1,460
	Standard	kW			2.4	3.4		5.0
		Btu/h			8,150	11,600		17,100
		Kcal/h			2,060	2,920		4,300
	Maximum	kW			3.0	3.8		5.3
		Btu/h			10,200	13,000		18,100
		Kcal/h			2,580	3,260		4,560
Heating capacity	Minimum	kW			1.3	1.4		1.7
		Btu/h			4,400	4,800		5,800
		Kcal/h			1,110	1,200		1,460
	Standard	kW			3.2	4.0		5.8
		Btu/h			10,900	13,600		19,800
		Kcal/h			2,750	3,440		4,990
	Maximum	kW			4.5	5.0		6.0
		Btu/h			15,350	17,100		20,500
		Kcal/h			3,870	4,300		5,160
Power Input	Cooling	Minimum	kW					0.44
		Standard	kW		0.69	1.09		1.65
		Maximum	kW					1.93
	Heating	Minimum	kW					0.40
		Standard	kW		0.91	1.18		1.92
		Maximum	kW					2.04

2 Specifications

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2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
For combination indoor units + outdoor units	EER	Nominal			3.48	3.12		3.03	
	COP	Nominal			3.52	3.39		3.02	
	Energy Label	Cooling			A	B		B	
		Heating			B	C		D	
	Annual energy consumption		kWh			345	545		825
	Indoor Units					FVXS25FV1B	FVXS35FV1B		FVXS50FV1B
Cooling capacity	Minimum	kW			1.3	1.4		1.4	
		Btu/h			4,400	4,800		4,800	
		Kcal/h			1,120	1,200		1,200	
	Standard	kW			2.5	3.5		5.0	
		Btu/h			8,500	11,900		17,100	
		Kcal/h			2,150	3,010		4,300	
	Maximum	kW			3.0	3.8		5.6	
		Btu/h			10,200	13,000		19,100	
		Kcal/h			2,580	3,270		4,820	
Heating capacity	Minimum	kW			1.3	1.4		1.4	
		Btu/h			4,400	4,800		4,800	
		Kcal/h			1,120	1,200		1,200	
	Standard	kW			3.4	4.5		5.8	
		Btu/h			11,600	15,400		19,800	
		Kcal/h			2,920	3,870		4,990	
	Maximum	kW			4.5	5.0		8.1	
		Btu/h			17,100	17,100		27,600	
		Kcal/h			4,300	4,300		6,970	
Power Input	Cooling	Minimum	kW		0.30	0.30		0.50	
		Standard	kW		0.57	1.02		1.55	
		Maximum	kW		0.92	1.25		2.00	
	Heating	Minimum	kW		0.29	0.31		0.50	
		Standard	kW		0.79	1.22		1.60	
		Maximum	kW		1.39	1.88		2.60	
For combination indoor units + outdoor units	EER	Nominal			4.39	3.43		3.23	
	COP	Nominal			4.30	3.69		3.63	
	Energy Label	Cooling			A	A		A	
		Heating			A	A		A	
	Annual energy consumption		kWh			285	510		775
	Indoor Units					FLXS25BAVMB	FLXS35BAVMB		FLXS50BAVMB
Cooling capacity	Minimum	kW			1.2	1.2		0.9	
		Btu/h			4,100	4,100		3,070	
		Kcal/h			1,030	1,030		770	
	Standard	kW			2.5	3.5		4.9	
		Btu/h			8,500	11,900		16,730	
		Kcal/h			2,150	3,010		4,210	
	Maximum	kW			3.0	3.8		5.3	
		Btu/h			10,200	13,000		18,090	
		Kcal/h			2,580	3,270		4,560	
Heating capacity	Minimum	kW			1.2	1.2		0.9	
		Btu/h			4,100	4,100		3,070	
		Kcal/h			1,030	1,030		770	
	Standard	kW			3.4	4.0		6.1	
		Btu/h			11,600	13,600		20,830	
		Kcal/h			2,920	3,440		5,250	
	Maximum	kW			4.5	5.0		7.5	
		Btu/h			15,400	17,100		25,610	
		Kcal/h			3,870	4,300		6,450	

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2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
Power Input	Cooling	Minimum	kW		0.30	0.30		0.45	
		Standard	kW		0.65	1.13		1.72	
		Maximum	kW		0.86	1.26		1.95	
	Heating	Minimum	kW		0.29	0.29		0.31	
		Standard	kW		0.98	1.23		1.82	
		Maximum	kW		1.49	1.85		3.54	
For combination indoor units + outdoor units	EER	Nominal			3.85	3.10		2.85	
	COP	Nominal			3.47	3.25		3.35	
	Energy Label	Cooling			A	B		C	
		Heating			B	C		C	
	Annual energy consumption		kWh			325	565		860
	Indoor Units					FFQ25B8V1B	FFQ35B8V1B		FFQ50B8V1B
Cooling capacity	Standard	kW			2.50	3.40		4.70	
Heating capacity	Standard	kW			3.20	4.00		5.50	
Power Input	Cooling	Standard	kW		0.73	1.10		1.80	
	Heating	Standard	kW		0.92	1.20		1.96	
For combination indoor units + outdoor units	EER	Nominal			3.42	3.09		2.61	
	COP	Nominal			3.48	3.33		2.81	
	Energy Label	Cooling			A	B		D	
		Heating			B	C		D	
	Annual energy consumption		kWh			365	550		900
	Indoor Units						FCQ35C7VEB		FCQ50C7VEB
Cooling capacity	Standard	kW				3.40		5.00	
Heating capacity	Standard	kW				4.20		6.00	
Power Input	Cooling	Standard	kW			0.95		1.41	
	Heating	Standard	kW			1.23		1.62	
For combination indoor units + outdoor units	EER	Nominal				3.58		3.55	
	COP	Nominal				3.41		3.70	
	Energy Label	Cooling				A		A	
		Heating				B		A	
	Annual energy consumption		kWh				475		705
	Indoor Units						FHQ35BVV1B		FHQ50BVV1B
Cooling capacity	Minimum	kW				1.4		1.7	
		Btu/h				4,800		5,800	
		Kcal/h				1,200		1,460	
	Standard	kW				3.4		5.0	
		Btu/h				11,600		17,100	
		Kcal/h				2,920		4,300	
	Maximum	kW				3.7		5.6	
		Btu/h				12,600		19,100	
		Kcal/h				3,180		4,820	
Heating capacity	Minimum	kW				1.2		1.7	
		Btu/h				4,100		5,800	
		Kcal/h				1,200		1,460	
	Standard	kW				4.0		6.0	
		Btu/h				13,650		20,500	
		Kcal/h				3,440		5,160	
	Maximum	kW				5.0		7.0	
		Btu/h				17,100		23,700	
		Kcal/h				4,300		6,020	

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2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
Power Input	Cooling	Minimum	kW					0.44	
		Standard	kW			1.05		1.83	
		Maximum	kW					2.02	
	Heating	Minimum	kW					0.40	
		Standard	kW			1.11		2.05	
		Maximum	kW					2.45	
For combination indoor units + outdoor units	EER	Nominal				3.24		2.73	
	COP	Nominal				3.60		2.93	
	Energy Label	Cooling				A		D	
		Heating				B		D	
	Annual energy consumption		kWh				525		915
	Indoor Units						FBQ35B8V1		FBQ50B8V1
Cooling capacity	Standard	kW				3.40		5.0	
Heating capacity	Standard	kW				4.00		6.0	
Power Input	Cooling	Standard	kW			1.17		1.92	
	Heating	Standard	kW			1.22		1.87	
For combination indoor units + outdoor units	EER	Nominal				2.91		2.60	
	COP	Nominal				3.28		3.21	
	Energy Label	Cooling				C		E	
		Heating				C		C	
Annual energy consumption		kWh				585		960	

2-2 TECHNICAL SPECIFICATIONS				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
Casing	Colour			Ivory White					
Dimensions	Unit	Height	mm	550	550	550	550	735	
		Width	mm	765	765	765	765	825	
		Depth	mm	285	285	285	285	300	
	Packing	Height	mm	612	612	612	612	797	
		Width	mm	906	906	906	906	960	
		Depth	mm	364	364	364	364	390	
Weight	Unit		kg	32	34	34	39	48	
	Packed Unit		kg	37	40	40	45	53	
Heat Exchanger	Dimensions	Length	mm	828	805	805	810	845	
		Nr of Rows			1	2	2	2	2
		Fin Pitch	mm	1.4	1.4	1.4	1.5	1.8	
		Nr of Stages			24	24	24	24	32
	Tube type			Hi-Xa(7)	Hi-Xa(7)	Hi-Xa(7)	Hi-Xa(8)	Hi-Xa(8)	
Fin	Type		Waffle fin						
	Treatment		Anti-corrosion treatment (PE)						
Fan	Type			Propeller					
	Air Flow Rate	Cooling (Low)	m ³ /min	34.0	31.4	31.4	30.6	48.9	
		Cooling (High)	m ³ /min	36.2	33.5	36.0	37.3	50.9	
		Heating (Low)	m ³ /min	24.6	22.6	22.6	27.2	43.1	
		Heating (High)	m ³ /min	32.6	30.2	30.2	31.3	45.0	
		Cooling (Low)	cfm	1,201	1,109	1,109	1,079	1,727	
		Cooling (High)	cfm	1,278	1,183	1,272	1,317	1,797	
		Heating (Low)	cfm	869	798	798	959	1,522	
		Heating (High)	cfm	1,151	1,066	1,066	1,107	1,589	
	Motor	Model		D50Q-28	D50Q-28	D50Q-28	D50R-28	KFD-380-50-8C	

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2-2 TECHNICAL SPECIFICATIONS				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B	
Motor	Speed (nominal)	Cooling (Low)	rpm	810	810	810	790	670	
		Cooling (High)	rpm	860	860	920	890	780	
		Heating (Low)	rpm	660	660	660	780	670	
		Heating (High)	rpm	860	860	860	890	720	
Fan	Motor	Output	W	50	50	50	50	53	
Compressor	Quantity			1	1	1	1	1	
	Motor	Model			1YC23AFXD#C	1YC23AFXD#C	1YC23AFXD#C	2YC36BXD#C	2YC36BXD#C
		Type			Hermetically sealed swing compressor				
	Motor Output	W		600	600	600	1,100	1,100	
Operation Range	Cooling	Min	xCDB	-10	-10	-10	-10	-10	
		Max	xCDB	46	46	46	46	46	
	Heating	Min	xCWB	-15	-15	-15	-15	-15	
		Max	xCWB	20	20	20	20	18	
Sound Level (nominal)	Cooling	Sound Power	dBA	61	61	63	63	62	
		Sound Pressure (Low)	dBA	43	43	44	44	44	
		Sound Pressure (High)	dBA	46	46	48	48	48	
	Heating	Sound Pressure (Low)	dBA	44	44	45	45	45	
		Sound Pressure (High)	dBA	47	47	48	48	48	
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	0.375	0.375	0.65	0.65
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.35	6.35	6.35	6.35	
	Gas	Diameter (OD)	mm	9.52	9.52	9.52	9.52	12.7	
	Drain	Diameter (OD)	mm	18	18	18	18	18	
	Piping Length	Maximum	m	20	20	20	20	30	
	Additional Refrigerant Charge			kg/m	0.02>10m				
	Installation height difference	Maximum	m	15	15	15	15	20	
	Heat Insulation				Both liquid and gas pipes				
Standard Accessories	Item			Installation manual					
	Quantity			1	1	1	1	1	
	Item			Drain plug					
	Quantity			1					
Notes				Nominal cooling capacities are based on: indoor temperature: 27xCDB, 19.0xCWB; outdoor temperature: 35xCDB, 24xCWB, refr.pip.length: 5m					
				Nominal heating capacities are based on: indoor temperature: 20xCDB; outdoor temperature: 7xCDB, 6xCWB, refr.pip.length: 5m					

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2-3 ELECTRICAL SPECIFICATIONS				RXS20G2V1B	RXS25G2V1B	RXS35G2V1B	RXS42G2V1B	RXS50G2V1B
Power Supply	Name		V1					
	Phase		1~					
	Frequency	Hz	50	50	50	50	50	
	Voltage		V	220-230-240				
Current	Nominal running current (RLA)	Cooling (A)	A	2.67-2.55-2.45	3.06-2.93-2.81	4.26-4.08-3.91	6.04-5.78-5.54	6.93-6.63-6.35
		Heating (A)	A	3.50-3.35-3.21	4.14-3.96-3.80	4.71-4.50-4.31	7.27-6.96-6.67	7.13-6.82-6.54
	Starting current (cooling/heating)		A	3.6	4.3	4.8	7.4	7.3
Wiring connections	For Power Supply	Quantity	3	3	3	3	3	
	For connection with indoor	Quantity	4	4	4	4	4	
		Remark	(including earth wiring)					

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3 Electrical data

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS20G2V1B	RXS20G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.3 2.2	50	0.23	23	0.15

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SIMBOLS

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 Operated Frequency	(Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 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.

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25G2V1B	RXS25G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.7 2.5	50	0.23	23	0.15

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SIMBOLS

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 Operated Frequency	(Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 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.

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Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ25B8V1B	RXS25G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	55	3.7	23	0.16	55	0.6
		50 - 230					3.5				
		50 - 240					3.4				

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SYMBOLS

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RHz : Rated operating frequency (Hz)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Rated motor output (W)

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS35G2V1B	RXS35G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	65	3.9	50	0.23	23	0.15
							3.7				

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SIMBOLS

- 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 Operated Frequency (Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27C°DB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

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Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FFQ35B8V1B	RXS35G2V2B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	79	4.8	23	0.16	55	0.6
		50 - 230					4.6				
		50 - 240					4.4				

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SYMBOLS

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RHz : Rated operating frequency (Hz)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Rated motor output (W)

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FBQ35B8V1	RXS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	80	5.1	23	0.16	65	0.5
		50 - 230					4.9				
		50 - 240					4.7				

3D055011B

SYMBOLS

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RHz : Rated operating frequency (Hz)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Rated motor output (W)

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

3 Electrical data

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Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FHQ35BW1B	RXS35G2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	76	4.5	23	0.22	62	0.6
		50 - 230					4.3				
		50 - 240					4.1				

3D055011B

SYMBOLS

- MCA : Min. Circuit Amps (A)
- MFA : Max. Fuse Amps (A)
- RHz : Rated operating frequency (Hz)
- RLA : Rated Load Amps (A)
- OFM : Outdoor Fan Motor
- IFM : Indoor Fan Motor
- FLA : Full Load Amps (A)
- W : Rated motor output (W)

NOTES

1. RLA is based on the following conditions:
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp. : 35°CDB
2. Maximum allowable voltage unbalance between phases is 2%
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.
5. For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42G2V1B	RKS42G2V1B	50 - 230	Max. 50Hz 264V Min. 50Hz 198V	14.75	20	58	5.7	50	0.23	23	0.15
							5.4				

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SIMBOLS

- 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 Operated Frequency (Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27C°DB/19°CWB
Outdoor Temp. 35°CDB.
- 2 Maximum allowable voltage variation between phases is 2%.
- 3 Select wire size based on the lager value of MCA.
- 4 Instead of fuse, use circuit breaker.

3 Electrical data

Representative Unit Combination		Power Supply			Comp			OFM		IFM	
Indoor Unit	Outdoor Unit	Hz-Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50G2V1B	RXS50G2V1B	50 - 220	Max. 50Hz 264V	19.75	20	70	6.6	53	0.27	23	0.15
		50 - 230	Min. 50Hz 198V				6.2				

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SIMBOLS

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 Operated Frequency	(Hz)

NOTES

- 1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19°CWB
Outdoor Temp. 35°CDB.
- 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.

4 Capacity tables

4 - 1 Cooling capacity tables

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FBQ50B8V1+RXS50G2V1B

Cooling

220-240V [50Hz]


Outdoor	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
50	14,0	20,0	5,1	3,6	1,57	4,9	3,5	1,67	4,8	3,4	1,76	4,7	3,4	1,80	4,6	3,4	1,88	4,5	3,3	1,95
	16,0	22,0	5,2	3,6	1,60	5,1	3,5	1,69	4,9	3,5	1,79	4,9	3,4	1,83	4,8	3,4	1,88	4,6	3,3	1,98
	18,0	25,0	5,4	3,6	1,62	5,2	3,6	1,72	5,1	3,5	1,81	5,0	3,5	1,85	4,9	3,4	1,91	4,8	3,4	2,00
	19,0	27,0	5,5	3,7	1,64	5,3	3,6	1,73	5,2	3,5	1,83	5,1	3,5	1,87	5,0	3,5	1,92	4,9	3,4	2,02
	22,0	30,0	5,7	3,7	1,68	5,5	3,6	1,77	5,4	3,6	1,87	5,3	3,5	1,90	5,2	3,5	1,96	5,1	3,4	2,08
	24,0	32,0	5,8	3,7	1,70	5,7	3,7	1,80	5,5	3,6	1,89	5,5	3,6	1,93	5,4	3,5	1,99	5,2	3,5	2,08

3TW25112-1B

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
SHC:	Sensible heating 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.
- SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
= 0.29 x 60 x AFR [m³/min.] x (1-BF) x (DB*-EDB)/860
Add SHC* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible.
Do not extrapolate.
- Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

Model		FBQ
35	AFR	11.5
	BF	0.15
50	AFR	14
	BF	0.15
60	AFR	19
	BF	0.11

4 Capacity tables

4 - 2 Heating capacity tables

FBQ50B8V1+RXS50G2V1B

Heating 220-240V [50Hz]


Outdoor	Outdoor temperature (°CWB)													
	Indoor		-15		-10		-5		0		6		10	
	EDB (°C)		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	16,0		3,0	1,35	3,7	1,44	4,5	1,53	5,2	1,63	6,1	1,74	6,6	1,81
	18,0		3,0	1,41	3,7	1,51	4,4	1,60	5,2	1,69	6,0	1,81	6,6	1,88
	20,0		3,0	1,48	3,7	1,57	4,4	1,67	5,1	1,76	6,0	1,87	6,6	1,95
	21,0		2,9	1,51	3,7	1,61	4,4	1,70	5,1	1,80	6,0	1,91	6,6	1,98
	22,0		2,9	1,55	3,6	1,64	4,4	1,74	5,1	1,83	6,0	1,94	6,6	2,02
	24,0		2,9	1,62	3,6	1,71	4,3	1,80	5,1	1,90	5,9	2,01	6,5	2,08

3TW25112-2B

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
EVWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
PI:	Power input (Comp. + indoor + outdoor fan motor).	(kW)

NOTES

- 1 Ratings shown are net capacities which include a deduction for indoor fan motor heat
- 2  shows nominal (rated) capacities and power input.
- 3 Direct interpolation is permissible. Do not extrapolate.
- 4 Capacities are based on following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m
- 5 Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

Model	FBQ
35	11.5
50	14
60	19

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4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FTXS20G2V1B + RXS20G2V1B

Cooling

50Hz 220-240V

AFR	9.4
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
°C	°C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.05	1.84	0.36	1.96	1.80	0.40	1.86	1.76	0.43	1.83	1.74	0.44	1.77	1.71	0.46	1.68	1.67	0.50
16.0	22	2.14	1.81	0.36	2.05	1.77	0.40	1.95	1.73	0.43	1.92	1.72	0.45	1.86	1.69	0.47	1.77	1.66	0.50
18.0	25	2.23	1.94	0.36	2.14	1.90	0.40	2.05	1.87	0.43	2.01	1.85	0.45	1.95	1.83	0.47	1.86	1.80	0.50
19.0	27	2.28	2.09	0.37	2.19	2.05	0.40	2.09	0.40	2.09	2.02	0.44	2.06	2.00	1.98	0.47	1.91	1.95	0.50
22.0	30	2.42	2.03	0.37	2.32	2.00	0.40	2.23	1.97	0.44	2.19	1.96	0.45	2.14	1.94	0.47	2.05	1.91	0.51
24.0	31	2.51	1.99	0.37	2.42	1.96	0.41	2.32	1.93	0.44	2.29	1.92	0.45	2.23	1.91	0.48	2.14	1.88	0.51

Heating

50Hz 220-240V

AFR	9.9
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Indoor		Outdoor temperature (°C DB)									
°C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	15.0	1.82	0.53	2.12	0.56	2.43	0.58	2.79	0.62	3.04	0.64
20.0	20.0	1.72	0.55	2.03	0.57	2.33	0.60	2.70	0.63	2.94	0.65
22.0	22.0	1.69	0.55	1.99	0.58	2.30	0.60	2.66	0.64	2.91	0.66
24.0	24.0	1.65	0.56	1.95	0.58	2.26	0.61	2.63	0.64	2.87	0.66
25.0	25.0	1.63	0.56	1.94	0.59	2.24	0.61	2.61	0.64	2.85	0.66
27.0	27.0	1.59	0.57	1.90	0.59	2.20	0.62	2.57	0.65	2.81	0.67

SYMBOLS

- AFR : Air flow rate (m3/mim.)
- 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

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

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4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FTXS25G2V1B + RXS25G2V1B

Cooling

50Hz 220-240V

AFR	9.1
BF	0.16

Indoor		Outdoor temperature (°C DB)																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	2.03	0.42	2.44	1.98	0.46	2.33	1.92	0.50	2.28	1.90	0.52	2.21	1.87	0.54	2.10	1.81	0.58
16.0	22	2.68	2.00	0.42	2.56	1.95	0.47	2.44	1.89	0.51	2.40	1.87	0.52	2.33	1.84	0.55	2.21	1.79	0.59
18.0	25	2.79	2.11	0.43	2.68	2.06	0.47	2.56	2.02	0.51	2.51	2.00	0.52	2.44	1.97	0.55	2.33	1.92	0.59
19.0	27	2.85	2.24	0.43	2.73	2.20	0.47	2.62	2.15	0.51	2.57	2.13	0.53	2.50	2.11	0.55	2.38	2.06	0.59
22.0	30	3.02	2.17	0.43	2.91	2.13	0.47	2.79	2.09	0.51	2.74	2.07	0.53	2.67	2.05	0.55	2.56	2.01	0.59
24.0	32	3.14	2.12	0.43	3.02	2.08	0.47	2.90	2.05	0.52	2.86	2.03	0.53	2.79	2.01	0.56	2.67	1.97	0.60

Heating

50Hz 220-240V

AFR	9.8
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Indoor		Outdoor temperature (°C DB)									
EDB °C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.29	0.63	2.67	0.67	3.06	0.70	3.52	0.73	3.82	0.76
20.0		2.17	0.65	2.56	0.68	2.94	0.71	3.40	0.75	3.71	0.77
22.0		2.12	0.66	2.51	0.69	2.89	0.72	3.35	0.76	3.66	0.78
24.0		2.08	0.66	2.46	0.70	2.85	0.73	3.31	0.76	3.61	0.79
25.0		2.05	0.67	2.44	0.70	2.82	0.73	3.28	0.77	3.59	0.79
27.0		2.01	0.67	2.39	0.71	2.77	0.74	3.24	0.77	3.54	0.80

SYMBOLS

AFR	: Air flow rate	(m ³ /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

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

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4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FFQ25B8V1B+RXS25G2V1B

AFR	9
BF	0.24

Cooling 50Hz 220-240V

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	1.95	0.56	2.44	1.89	0.61	2.33	1.84	0.67	2.28	1.81	0.69	2.21	1.78	0.72	2.10	1.72	0.78
16.0	22	2.68	1.92	0.56	2.56	1.86	0.62	2.44	1.81	0.67	2.40	1.79	0.69	2.33	1.76	0.73	2.21	1.71	0.78
18.0	25	2.79	2.01	0.57	2.68	1.96	0.62	2.56	1.92	0.67	2.51	1.90	0.70	2.44	1.87	0.73	2.33	1.82	0.78
19.0	27	2.85	2.13	0.57	2.73	2.08	0.62	2.62	2.04	0.68	2.57	2.02	0.70	2.50	1.99	0.73	2.38	1.94	0.78
22.0	30	3.02	2.06	0.57	2.91	2.02	0.63	2.79	1.97	0.68	2.74	1.96	0.70	2.67	1.93	0.73	2.56	1.89	0.79
24.0	32	3.14	2.01	0.58	3.02	1.97	0.63	2.90	1.93	0.68	2.86	1.91	0.71	2.79	1.89	0.74	2.67	1.85	0.79

Heating 50Hz 220-240V

AFR	9
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Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.15	0.78	2.52	0.82	2.88	0.85	3.31	0.90	3.60	0.93
20.0		2.04	0.80	2.41	0.84	2.77	0.87	3.20	0.92	3.49	0.95
22.0		2.00	0.81	2.36	0.84	2.72	0.88	3.16	0.93	3.44	0.96
24.0		1.96	0.82	2.32	0.85	2.68	0.89	3.11	0.94	3.40	0.97
25.0		1.93	0.82	2.29	0.86	2.66	0.90	3.09	0.94	3.38	0.97
27.0		1.89	0.83	2.25	0.87	2.61	0.90	3.05	0.95	3.33	0.98

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SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
 - Corresponding refrigerant piping length: 7.5 m
 - Level difference: 0 m
-  shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FTXS35G2V1B + RXS35G2V1B

Cooling

50Hz 220-240V

AFR	10.4
BF	0.21

Indoor		Outdoor temperature (°C DB)																	
EWB °C	EDB °C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.59	2.60	0.67	3.42	2.52	0.73	3.26	2.43	0.80	3.19	2.40	0.82	3.10	2.35	0.86	2.93	2.27	0.92
16.0	22	3.75	2.55	0.67	3.58	2.47	0.74	3.42	2.40	0.80	3.36	2.37	0.83	3.26	2.32	0.86	3.10	2.25	0.93
18.0	25	3.91	2.66	0.68	3.75	2.59	0.74	3.58	2.52	0.80	3.52	2.49	0.83	3.42	2.45	0.87	3.26	2.38	0.93
19.0	27	3.99	2.80	0.68	3.83	2.73	0.74	3.66	2.66	0.81	3.60	2.63	0.83	3.50	2.59	0.87	3.34	2.52	0.93
22.0	30	4.23	2.70	0.68	4.07	2.64	0.75	3.90	2.57	0.81	3.84	2.55	0.84	3.74	2.51	0.88	3.58	2.45	0.94
24.0	32	4.39	2.62	0.69	4.23	2.57	0.75	4.07	2.51	0.82	4.00	2.49	0.84	3.90	2.45	0.88	3.74	2.40	0.94

Heating

50Hz 220-240V

AFR	10.6
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Indoor		Outdoor temperature (°C DB)									
EDB °C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.69	0.81	3.14	0.85	3.60	0.89	4.14	0.94	4.50	0.97
20.0		2.55	0.83	3.01	0.87	3.46	0.91	4.00	0.96	4.36	0.99
22.0		2.50	0.84	2.95	0.88	3.40	0.92	3.94	0.97	4.31	1.00
24.0		2.44	0.85	2.90	0.89	3.35	0.93	3.89	0.98	4.25	1.01
25.0		2.42	0.86	2.87	0.89	3.32	0.93	3.86	0.98	4.22	1.01
27.0		2.36	0.86	2.81	0.90	3.26	0.94	3.81	0.99	4.17	1.02

SYMBOLS

AFR	: Air flow rate	(m ³ /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 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 : 5m
Level difference : 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

3D059716

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FFQ35BVV1B+RXS35G2V1B

AFR	10
BF	0.25

Cooling

50Hz 220-240V

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.48	0.84	3.33	2.40	0.93	3.17	2.32	1.01	3.10	2.29	1.04	3.01	2.24	1.09	2.85	2.16	1.17
16.0	22	3.64	2.44	0.85	3.48	2.36	0.93	3.32	2.28	1.01	3.26	2.25	1.04	3.17	2.21	1.09	3.01	2.13	1.17
18.0	25	3.80	2.54	0.85	3.64	2.46	0.93	3.48	2.39	1.02	3.42	2.36	1.05	3.32	2.32	1.10	3.16	2.25	1.18
19.0	27	3.87	2.66	0.86	3.72	2.59	0.94	3.56	2.52	1.02	3.49	2.49	1.05	3.40	2.45	1.10	3.24	2.39	1.18
22.0	30	4.11	2.56	0.86	3.95	2.50	0.94	3.79	2.44	1.03	3.73	2.41	1.06	3.63	2.38	1.11	3.48	2.32	1.19
24.0	32	4.27	2.49	0.87	4.11	2.43	0.95	3.95	2.37	1.03	3.89	2.35	1.06	3.79	2.32	1.11	3.63	2.26	1.19

Heating

50Hz 220-240V

AFR	10
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Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.69	1.01	3.14	1.06	3.60	1.11	4.14	1.17	4.50	1.21
20.0		2.55	1.04	3.01	1.09	3.46	1.14	4.00	1.20	4.36	1.24
22.0		2.50	1.05	2.95	1.10	3.40	1.15	3.94	1.21	4.31	1.25
24.0		2.44	1.06	2.90	1.11	3.35	1.16	3.89	1.22	4.25	1.26
25.0		2.42	1.07	2.87	1.12	3.32	1.17	3.86	1.23	4.22	1.27
27.0		2.36	1.08	2.81	1.13	3.26	1.18	3.81	1.24	4.17	1.28

3D055489

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
 - Corresponding refrigerant piping length: 7.5 m
 - Level difference: 0 m
- shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FCQ35C7VEB+RXS35G2V1B

AFR	10.5
BF	0.28

Cooling 50Hz 220-240V

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.49	0.73	3.33	2.40	0.80	3.17	2.32	0.87	3.10	2.29	0.90	3.01	2.24	0.94	2.85	2.16	1.01
16.0	22	3.64	2.44	0.73	3.48	2.37	0.80	3.32	2.29	0.87	3.26	2.26	0.90	3.17	2.21	0.94	3.01	2.14	1.01
18.0	25	3.80	2.54	0.74	3.64	2.47	0.81	3.48	2.40	0.88	3.42	2.37	0.91	3.32	2.33	0.95	3.16	2.26	1.02
19.0	27	3.87	2.67	0.74	3.72	2.60	0.81	3.56	2.53	0.88	3.49	2.50	0.91	3.40	2.46	0.95	3.24	2.39	1.02
22.0	30	4.11	2.57	0.75	3.95	2.50	0.82	3.79	2.44	0.89	3.73	2.42	0.91	3.63	2.38	0.96	3.48	2.32	1.03
24.0	32	4.27	2.49	0.75	4.11	2.44	0.82	3.95	2.38	0.89	3.89	2.36	0.92	3.79	2.33	0.96	3.63	2.27	1.03

Heating 50Hz 220-240V

AFR	12.5
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Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.83	1.04	3.30	1.09	3.78	1.14	4.34	1.20	4.72	1.24
20.0		2.68	1.07	3.16	1.12	3.63	1.17	4.20	1.23	4.58	1.27
22.0		2.62	1.08	3.10	1.13	3.57	1.18	4.14	1.24	4.52	1.28
24.0		2.57	1.09	3.04	1.14	3.51	1.19	4.08	1.25	4.46	1.29
25.0		2.54	1.10	3.01	1.15	3.49	1.20	4.06	1.26	4.43	1.30
27.0		2.48	1.11	2.95	1.16	3.43	1.21	4.00	1.27	4.38	1.31

3D057246

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
 - Corresponding refrigerant piping length: 5 m
 - Level difference: 0 m
-  shows nominal (rated) capacities and power input.

1
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4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FBQ35B8V1+RXS35G2V1B

AFR	11.5
BF	0.15

Cooling

50Hz 220-240V

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.70	0.90	3.33	2.62	0.98	3.17	2.55	1.07	3.10	2.52	1.11	3.01	2.47	1.16	2.85	2.40	1.24
16.0	22	3.64	2.65	0.90	3.48	2.58	0.99	3.32	2.51	1.08	3.26	2.48	1.11	3.17	2.44	1.16	3.01	2.37	1.25
18.0	25	3.80	2.80	0.91	3.64	2.73	0.99	3.48	2.66	1.08	3.42	2.64	1.12	3.32	2.60	1.17	3.16	2.53	1.25
19.0	27	3.87	2.96	0.91	3.72	2.90	1.00	3.56	2.84	1.08	3.49	2.81	1.12	3.40	2.77	1.17	3.24	2.71	1.26
22.0	30	4.11	2.86	0.92	3.95	2.81	1.00	3.79	2.75	1.09	3.73	2.73	1.13	3.63	2.70	1.18	3.48	2.64	1.26
24.0	32	4.27	2.79	0.92	4.11	2.74	1.01	3.95	2.69	1.10	3.89	2.67	1.13	3.79	2.64	1.18	3.63	2.59	1.27

Heating

50Hz 220-240V

AFR	11.5
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Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.69	1.03	3.14	1.08	3.60	1.13	4.14	1.19	4.50	1.23
20.0		2.55	1.06	3.01	1.11	3.46	1.16	4.00	1.22	4.36	1.26
22.0		2.50	1.07	2.95	1.12	3.40	1.17	3.94	1.23	4.31	1.27
24.0		2.44	1.08	2.90	1.13	3.35	1.18	3.89	1.24	4.25	1.28
25.0		2.42	1.09	2.87	1.14	3.32	1.19	3.86	1.25	4.22	1.29
27.0		2.36	1.10	2.81	1.15	3.26	1.20	3.81	1.26	4.17	1.30

3D055493

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

- Capacities are based on the following conditions:
 - Corresponding refrigerant piping length: 7.5 m
 - Level difference: 0 m
-  shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FTXS42G2V1B + RXS42G2V1B

Cooling

50Hz 220-240V

AFR	9.1
BF	0.14

Indoor		Outdoor temperature (°C DB)																	
°C	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.81	2.68	0.87	3.81	2.68	0.99	3.81	2.68	1.10	3.81	2.68	1.15	3.72	2.63	1.21	3.52	2.53	1.30
16.0	22	4.50	2.90	0.94	4.30	2.80	1.03	4.11	2.70	1.12	4.03	2.66	1.16	3.91	2.60	1.21	3.71	2.50	1.30
18.0	25	4.69	2.99	0.95	4.49	2.90	1.04	4.30	2.81	1.13	4.22	2.77	1.16	4.10	2.71	1.22	3.91	2.62	1.31
19.0	27	4.79	3.12	0.95	4.59	3.03	1.04	4.40	2.93	1.13	4.32	2.90	1.17	4.20	2.85	1.22	4.00	2.76	1.31
22.0	30	5.08	2.99	0.96	4.88	2.91	1.05	4.69	2.83	1.14	4.61	2.80	1.17	4.49	2.75	1.23	4.29	2.67	1.32
24.0	32	5.27	2.90	0.96	5.07	2.82	1.05	4.88	2.75	1.14	4.80	2.72	1.18	4.68	2.68	1.23	4.49	2.61	1.32

Heating

50Hz 220-240V

AFR	11.2
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Indoor		Outdoor temperature (°C DB)									
°C	EDB	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.64	1.24	4.24	1.30	4.85	1.36	5.59	1.44	6.07	1.49
20.0		3.45	1.28	4.06	1.34	4.67	1.40	5.40	1.47	5.89	1.52
22.0		3.37	1.29	3.98	1.35	4.59	1.41	5.33	1.48	5.81	1.53
24.0		3.30	1.30	3.91	1.36	4.52	1.42	5.25	1.50	5.74	1.54
25.0		3.26	1.31	3.87	1.37	4.48	1.43	5.21	1.50	5.70	1.55
27.0		3.19	1.32	3.80	1.38	4.41	1.44	5.14	1.52	5.63	1.56

SYMBOLS

AFR	: Air flow rate	(m ³ /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

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

3D059717

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FTXS50G2V1B + RXS50G2V1B

Cooling

50Hz 220-240V

AFR	10.2
BF	0.18

Indoor		Outdoor temperature (°C DB)																	
°C	°C	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.07	2.87	1.05	4.07	2.87	1.19	4.07	2.87	1.33	4.07	2.87	1.39	4.07	2.87	1.47	4.07	2.87	1.61
16.0	22	5.00	3.20	1.14	5.00	3.20	1.27	4.89	3.14	1.40	4.79	3.09	1.44	4.65	3.02	1.51	4.42	2.90	1.62
18.0	25	5.58	3.49	1.18	5.35	3.37	1.29	5.12	3.25	1.40	5.02	3.21	1.45	4.88	3.14	1.52	4.65	3.03	1.63
19.0	27	5.70	3.62	1.18	5.47	3.50	1.30	5.23	3.39	1.41	4.14	3.34	1.45	5.00	3.28	1.52	4.77	3.17	1.65
22.0	30	6.04	3.47	1.19	5.81	3.36	1.31	5.58	3.26	1.42	5.49	3.22	1.46	5.35	3.16	1.53	5.11	3.07	1.64
24.0	32	6.27	3.35	1.20	6.04	3.26	1.31	5.81	3.17	1.42	5.72	3.13	1.47	5.58	3.08	1.54	5.34	2.99	1.65

Heating

50Hz 220-240V

AFR	9.7
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Indoor		Outdoor temperature (°C DB)									
°C	°C	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.90	1.33	4.56	1.39	5.21	1.46	6.00	1.53	6.52	1.59
20.0		3.70	1.36	4.36	1.43	5.01	1.49	5.80	1.57	6.32	1.62
22.0		3.62	1.38	4.28	1.44	4.93	1.51	5.72	1.58	6.24	1.64
24.0		3.54	1.39	4.20	1.46	4.85	1.52	5.64	1.60	6.16	1.65
25.0		3.50	1.40	4.16	1.46	4.81	1.53	5.60	1.61	6.12	1.66
27.0		3.42	1.41	4.08	1.48	4.73	1.54	5.52	1.62	6.03	1.67

SYMBOLS

- AFR : Air flow rate (m3/mim.)
- 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

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

3D059721

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FFQ50B8V1B+RXS50G2V1B

AFR	12.0
BF	0.16

Cooling

50Hz 230V

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.76	3.51	1.45	4.61	3.44	1.55	4.46	3.37	1.64	4.40	3.34	1.68	4.31	3.30	1.74	4.16	3.23	1.83
16.0	22	4.92	3.54	1.48	4.77	3.47	1.57	4.62	3.40	1.67	4.56	3.38	1.70	4.47	3.33	1.76	4.32	3.26	1.86
18.0	25	5.07	3.58	1.50	4.92	3.51	1.60	4.77	3.44	1.69	4.71	3.41	1.73	4.62	3.37	1.79	4.47	3.30	1.88
19.0	27	5.15	3.59	1.52	5.00	3.52	1.61	4.85	3.45	1.71	4.79	3.43	1.74	4.70	3.38	1.80	4.55	3.31	1.90
22.0	30	5.38	3.65	1.55	5.23	3.58	1.65	5.08	3.51	1.74	5.02	3.48	1.78	4.93	3.44	1.84	4.78	3.37	1.93
24.0	32	5.54	3.68	1.58	5.39	3.61	1.68	5.24	3.54	1.77	5.18	3.51	1.81	5.09	3.47	1.87	4.94	3.40	1.96

Heating

50Hz 230V

AFR	12.0
-----	------

Indoor		Outdoor temperature (°CWB)											
EDB (°C)		-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0		2.76	1.41	3.43	1.51	4.09	1.60	4.76	1.70	5.56	1.82	6.09	1.90
18.0		2.73	1.48	3.40	1.58	4.06	1.67	4.73	1.77	5.53	1.89	6.06	1.97
20.0		2.70	1.55	3.37	1.65	4.04	1.74	4.70	1.84	5.50	1.96	6.03	2.04
21.0		2.69	1.58	3.36	1.68	4.02	1.78	4.69	1.88	5.49	2.00	6.02	2.07
22.0		2.68	1.62	3.34	1.72	4.01	1.81	4.67	1.91	5.47	2.03	6.00	2.11
24.0		2.65	1.69	3.32	1.79	3.98	1.89	4.65	1.98	5.45	2.10	5.98	2.18

3D041023

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating 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.)
- SHC is based on each EWB and EDB
 $SHC^* = SHC \text{ correction for other dry bulb} = 0.02 * AFR(m^3/min.) * (1 - BF) * (DB^* - EDB)$
 Add SHC* to SHC.
- Capacities are based on following conditions:
 Corresponding refrigerant piping length: 7.5 m
 Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

4 Capacity tables

4 - 3 Cooling/Heating capacity tables

FCQ50C7VEB+RXS50G2V1B

Cooling

50Hz 220-240V

AFR	12.5
BF	0.21

Indoor		Outdoor temperature (°CDB)																	
EWB (°C)	EDB (°C)	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	5.12	3.56	1.08	4.89	3.43	1.19	4.66	3.31	1.29	4.56	3.26	1.33	4.42	3.18	1.39	4.19	3.06	1.50
16.0	22	5.35	3.49	1.09	5.12	3.37	1.19	4.89	3.26	1.30	4.79	3.21	1.34	4.65	3.14	1.40	4.42	3.03	1.50
18.0	25	5.58	3.62	1.09	5.35	3.50	1.20	5.12	3.40	1.30	5.02	3.35	1.34	4.88	3.29	1.41	4.65	3.18	1.51
19.0	27	5.70	3.77	1.10	5.47	3.67	1.20	5.23	3.56	1.31	5.14	3.52	1.35	5.00	3.46	1.41	4.77	3.35	1.51
22.0	30	6.04	3.62	1.11	5.81	3.53	1.21	5.58	3.44	1.32	5.49	3.40	1.36	5.35	3.34	1.42	5.11	3.25	1.52
24.0	32	6.27	3.52	1.11	6.04	3.43	1.22	5.81	3.34	1.32	5.72	3.31	1.36	5.58	3.26	1.43	5.34	3.18	1.53

Heating

50Hz 220-240V

AFR	12.5
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
Indoor		Outdoor temperature (°CWB)									
EDB (°C)		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.04	1.37	4.72	1.44	5.39	1.50	6.21	1.58	6.75	1.64
20.0		3.83	1.41	4.51	1.47	5.19	1.54	6.00	1.62	6.54	1.67
22.0		3.75	1.42	4.43	1.49	5.10	1.55	5.92	1.63	6.46	1.69
24.0		3.67	1.44	4.34	1.50	5.02	1.57	5.83	1.65	6.38	1.70
25.0		3.62	1.44	4.30	1.51	4.98	1.58	5.79	1.66	6.33	1.71
27.0		3.54	1.46	4.22	1.52	4.90	1.59	5.71	1.67	5.97	1.71

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SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

NOTES

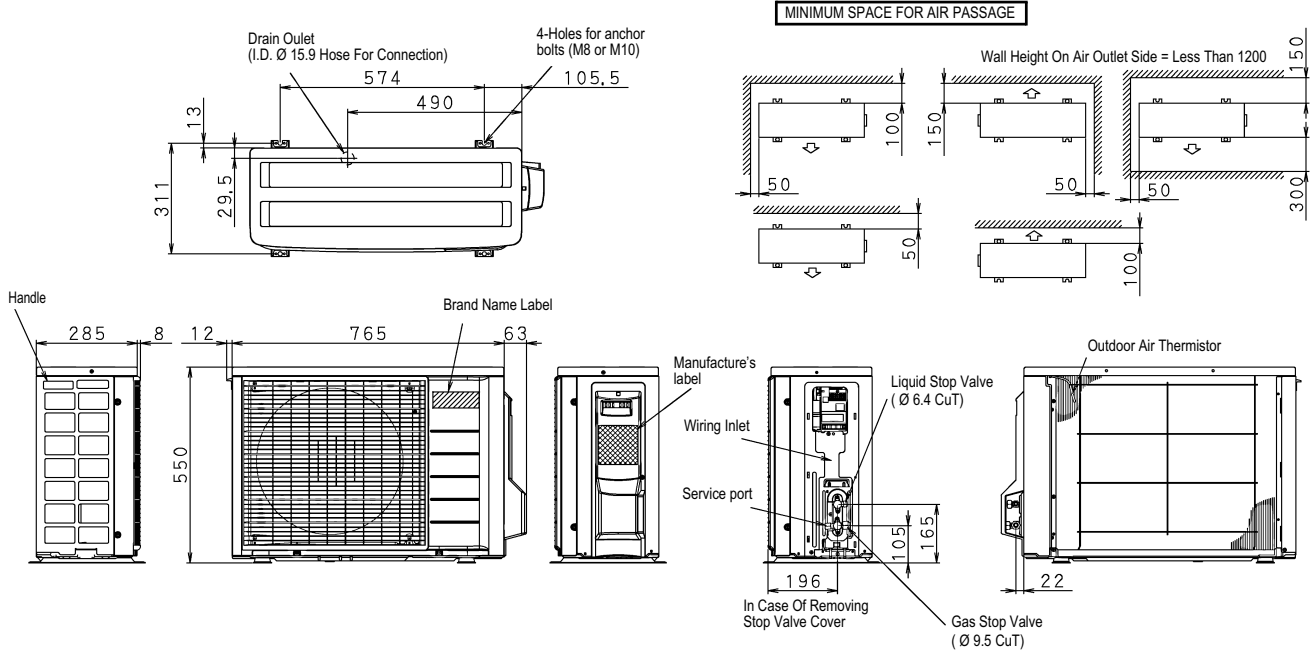
- Capacities are based on the following conditions:
 - Corresponding refrigerant piping length: 5 m
 - Level difference: 0 m
-  shows nominal (rated) capacities and power input.

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

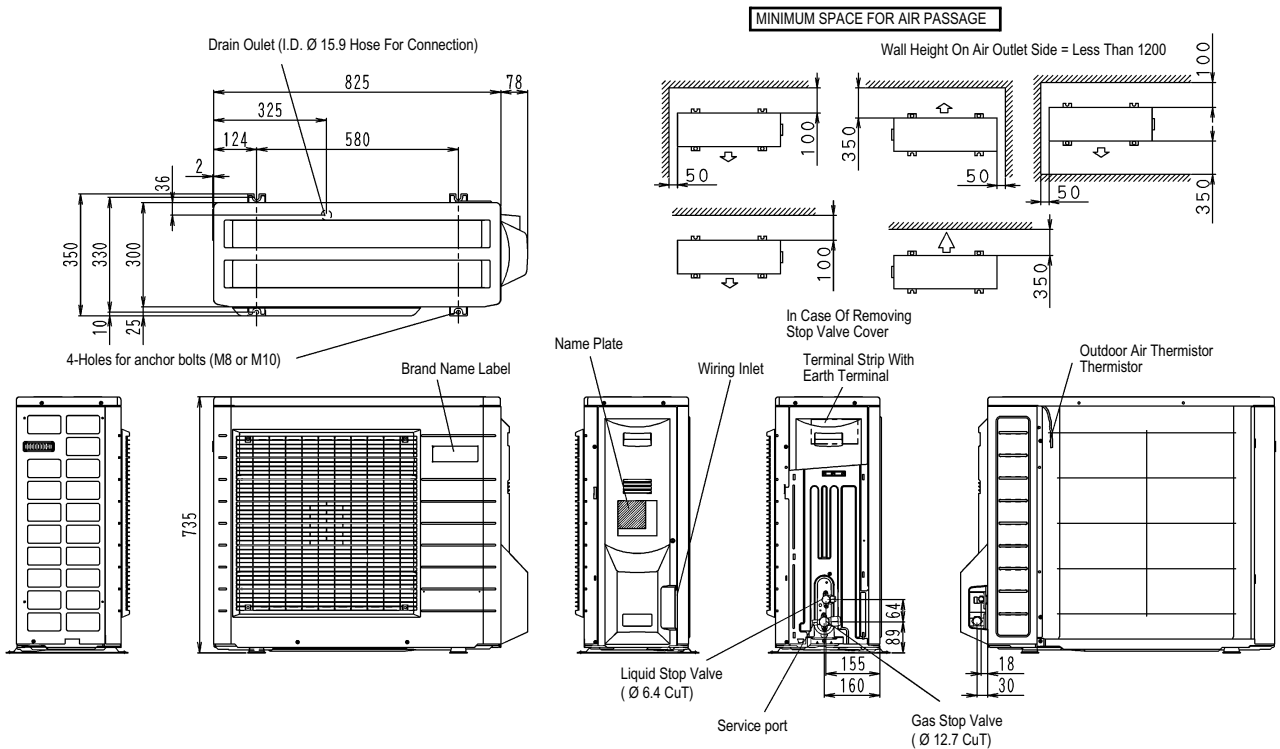
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RXS20-42G



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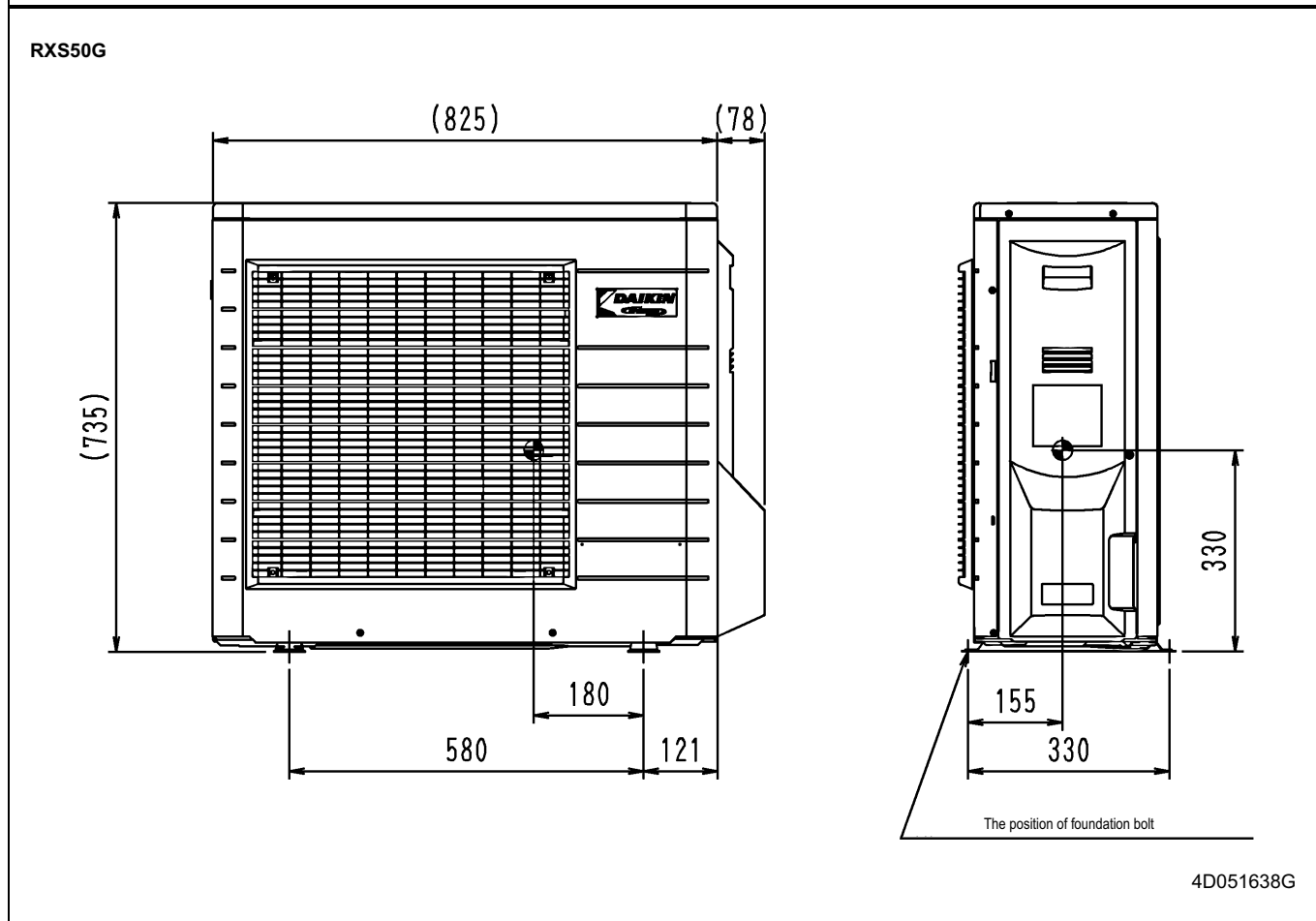
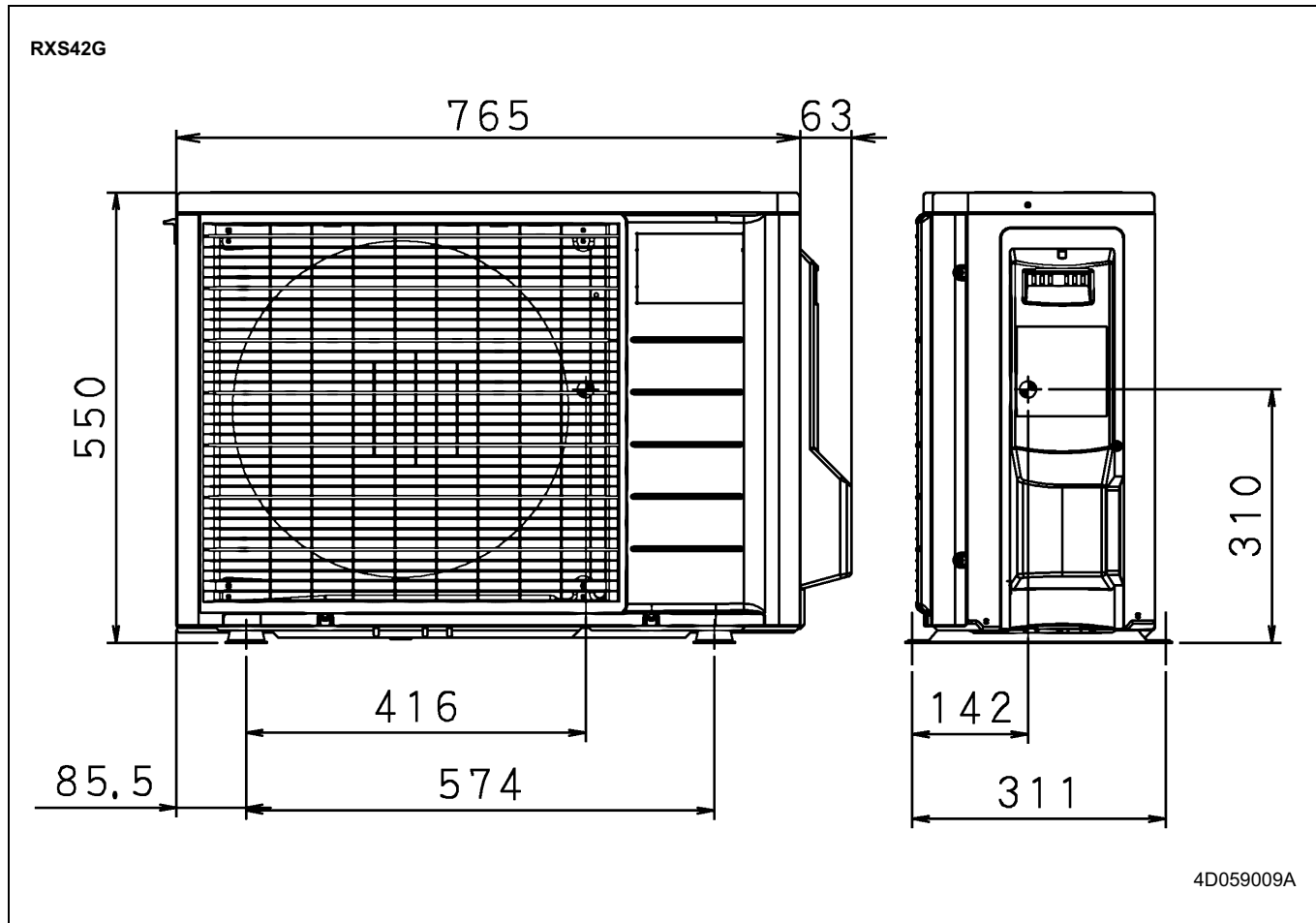
RXS50G



3D051657H

5 Dimensional drawing & centre of gravity

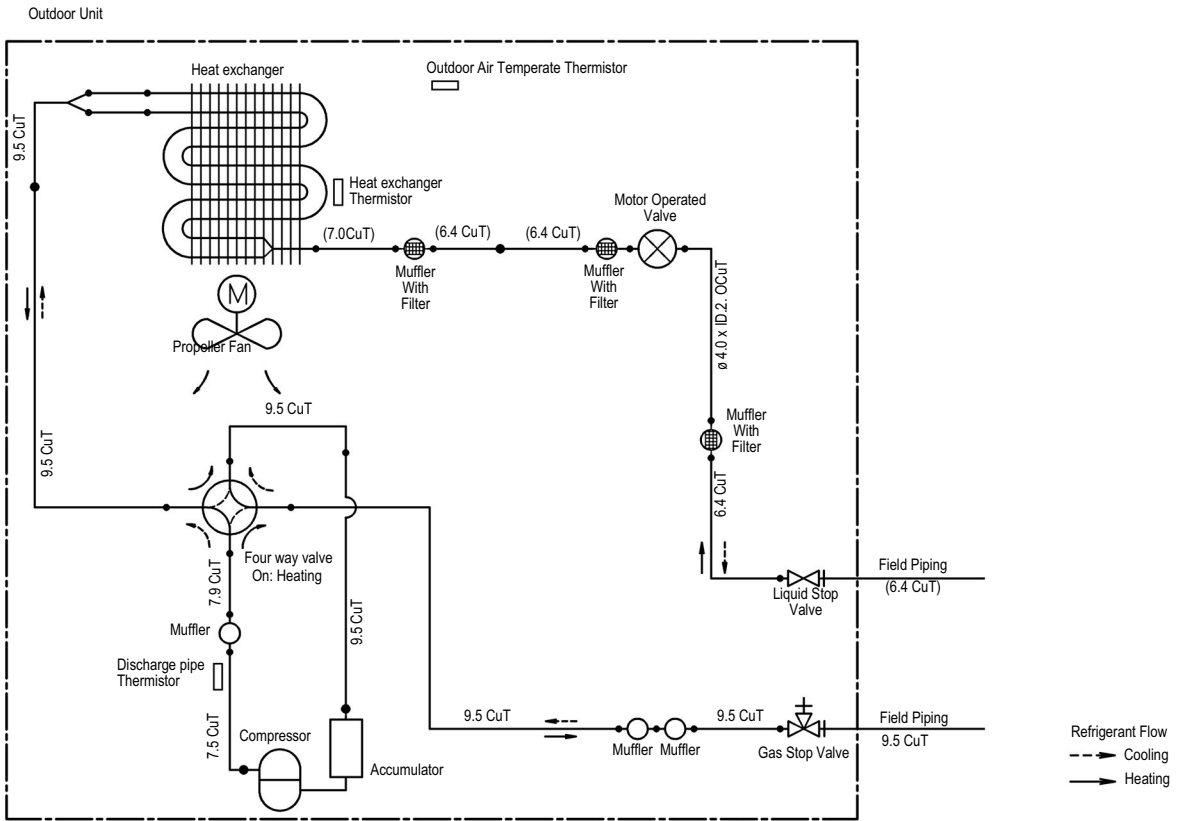
5 - 2 Centre of gravity



6 Piping diagram

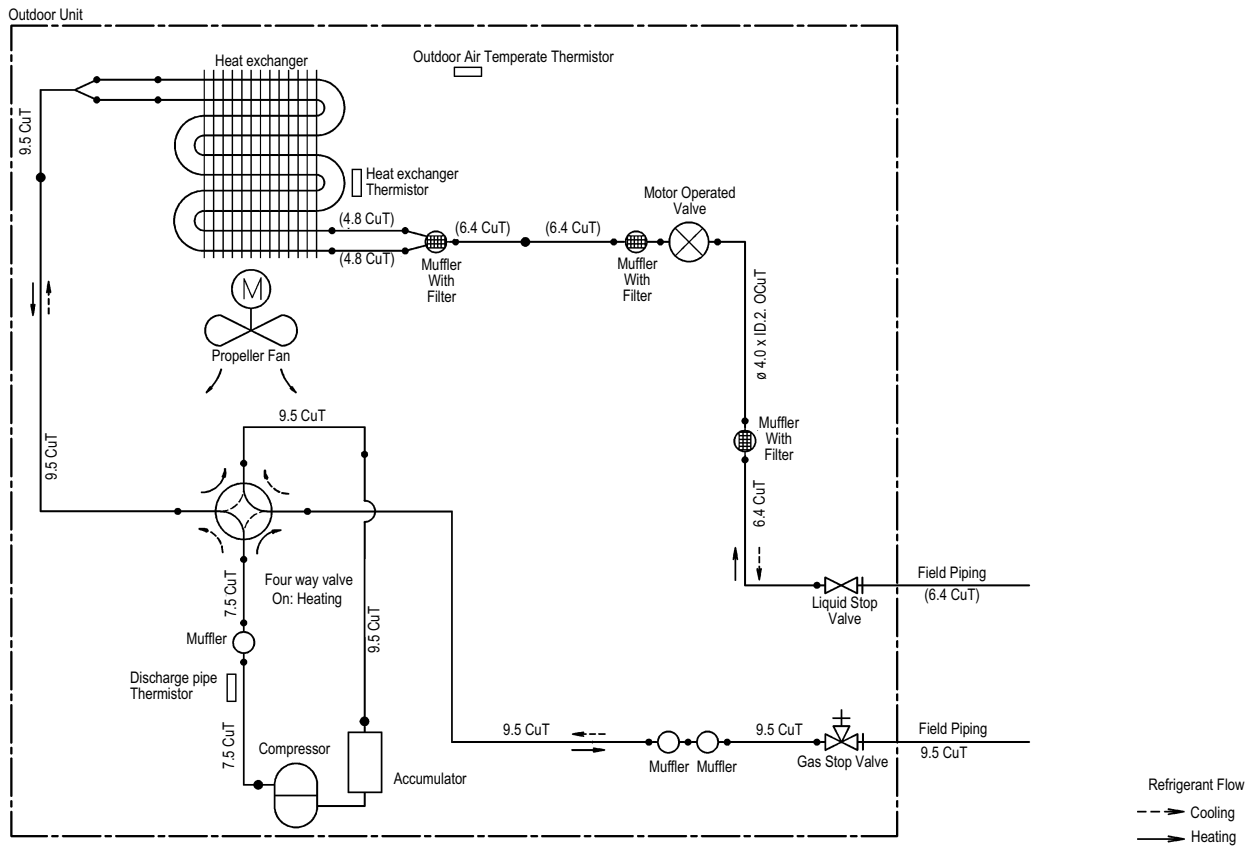
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RXS20G



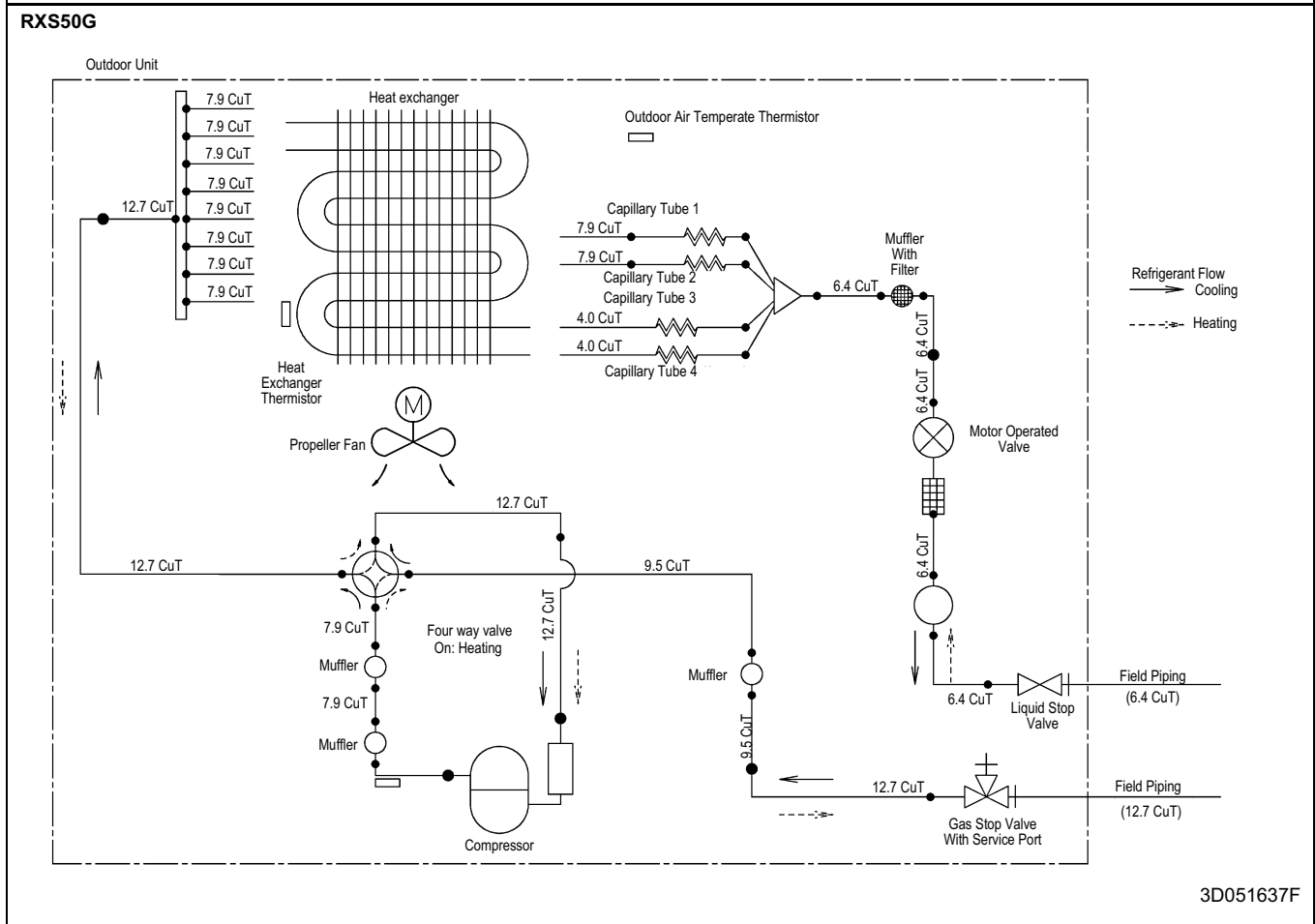
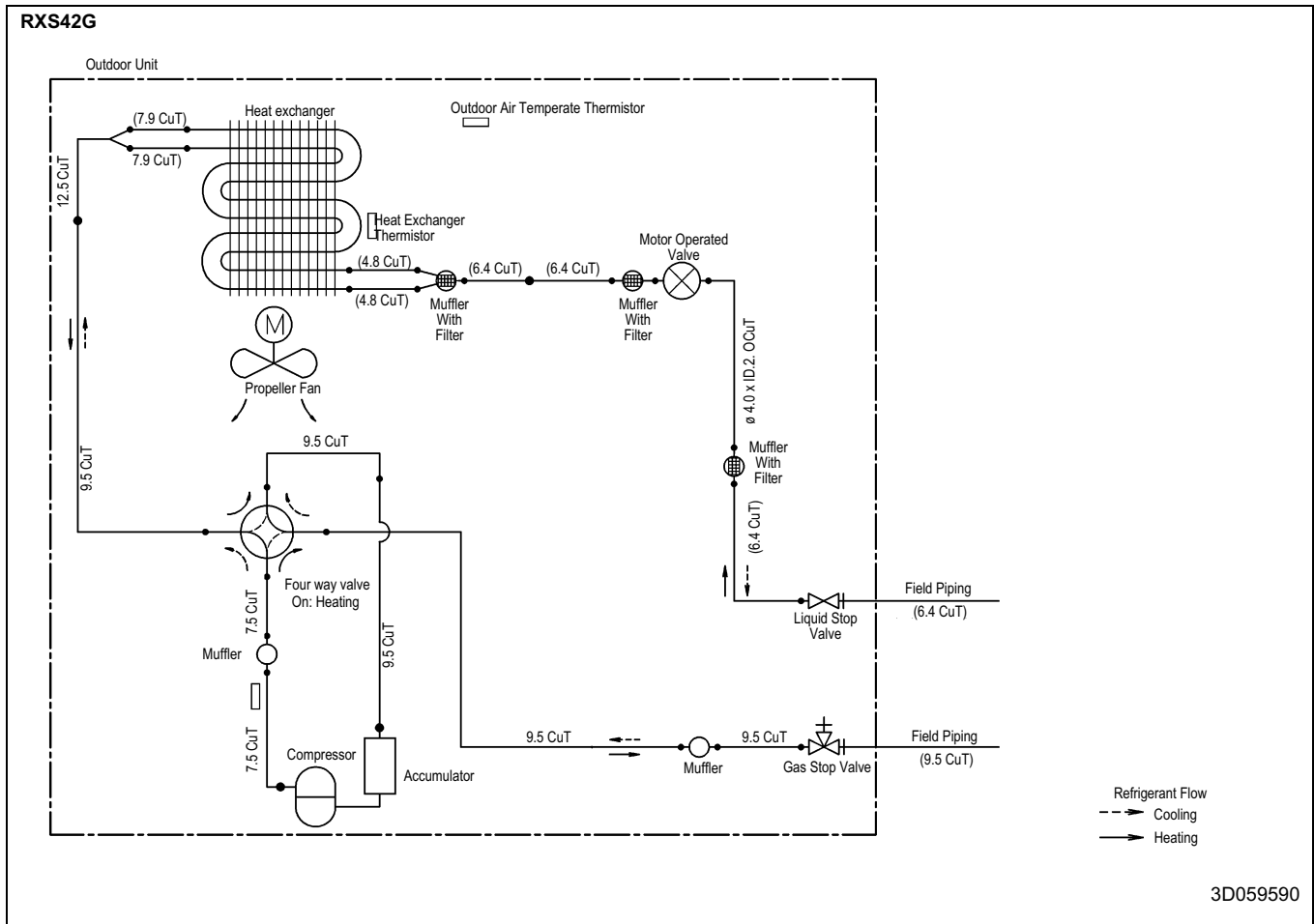
3D059587

RXS25-35G



3D059586

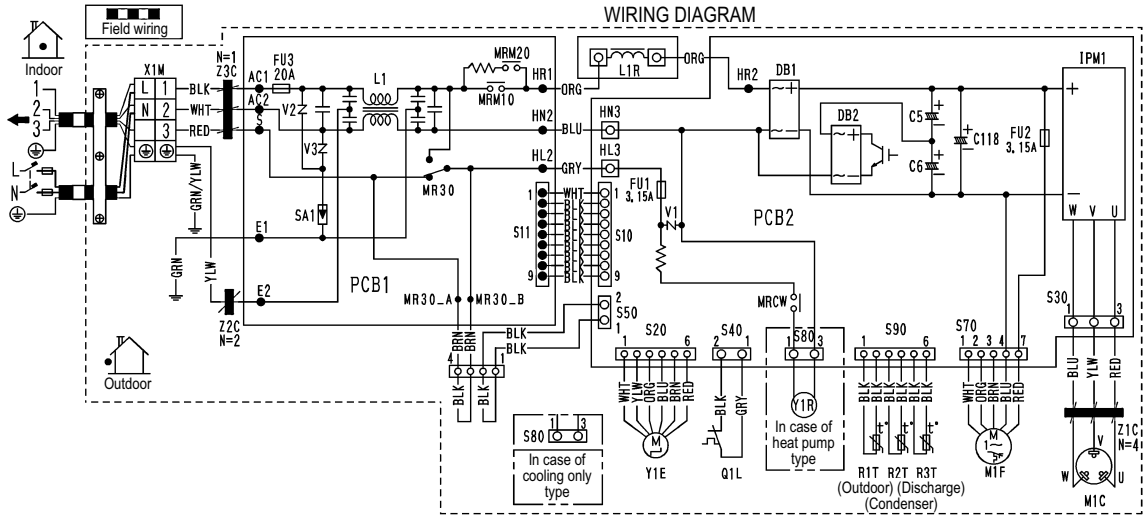
6 Piping diagram



7 Wiring diagram

7 - 1 Wiring diagram

RXS20-35G



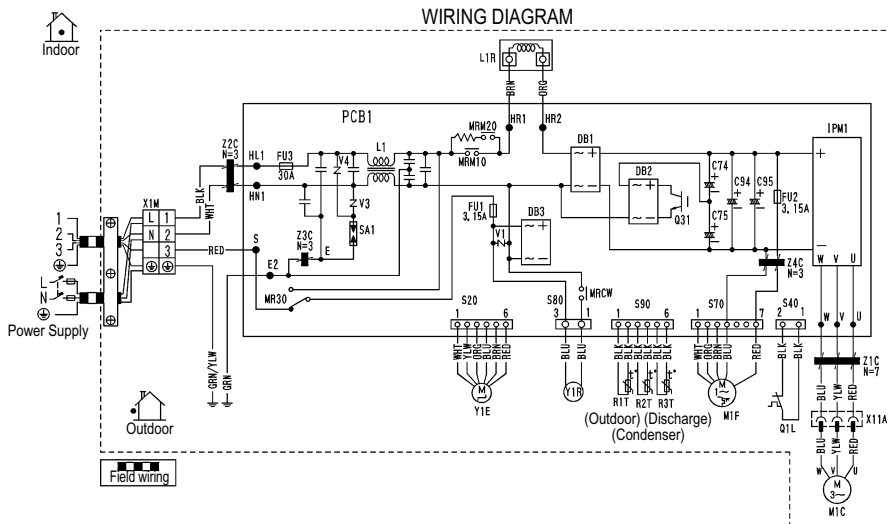
- | | | | | | |
|--------------------------|----------------------------|---------------------|-------------------------|---------------|-----------------------------------|
| C5, C6, C118 | : Capacitor | PCB1, PCB2 | : Printed Circuit Board | V1, V2, V3 | : Varistor |
| DB1, DB2 | : Diode Bridge | PTC1 | : Thermistor PTC | X1M | : Terminal strip |
| FU1, FU2, FU3 | : Fuse | S10, S11, S20, S30, | | Y1E | : Electronic Expansion Valve Coil |
| IPM1 | : Intelligent Power Module | S40, S50, S70, S80, | | Y1R | : Reversing Solenoid Valve Coil |
| L | : Live | S90, HL3, HN3 | : Connector | Z1C, Z2C, Z3C | : Ferrite Core |
| L1 | : Coil | R1T, R2T, R3T | : Thermistor | ⊕ | : Protective Earth |
| L1R | : Reactor | SA1 | : Surge Arrester | | |
| M1R | : Compressor motor | | | | |
| M1C | : Fan Motor | | | | |
| M1F | : Magnetic Relay | | | | |
| MRCW, MR30, MRM10, MRM20 | : Neutral | | | | |
| Q1L | : Overload protector | | | | |

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NOTE

1 Refer to the nameplate for the power requirements.

RXS42G



- | | | | | | | | |
|---------------|----------------------------|--------------|-------------------------|----------------|-----------------------------------|-----|----------|
| C74, C75, C94 | : Capacitor | M1F | : Fan motor | V1, V3, V4 | : Varistor | BLK | : Black |
| C95 | : Capacitor | MRCW, MRM10, | | X1M | : Terminal Strip | BLU | : Blue |
| DB1, DB2, DB3 | : Diode Bridge | MRM20, MR30 | : Magnetic Relay | Y1E | : Electronic Expansion Valve Coil | BRN | : Brown |
| FU1, FU2, FU3 | : Fuse | N | : Neutral | Y1R | : Reversing Solenoid Valve Coil | GRN | : Green |
| IPM1 | : Intelligent Power Module | PCB1 | : Printed Circuit Board | Z1C, Z2C, Z3C, | | ORG | : Orange |
| L | : Live | Q1L | : Overload Protector | Z4C | : Ferrite Core | RED | : Red |
| L1 | : Coil | R1T-R3T | : Thermistor | ⊕ | : Protection Earth | WHT | : White |
| L1R | : Reactor | SA1 | : Surge arrester | S20, S40, S70 | | YLW | : Yellow |
| M1C | : Compressor motor | Q31 | : IGBT | S80, S90 | | | |
| | | | | X11A | : Connector | | |

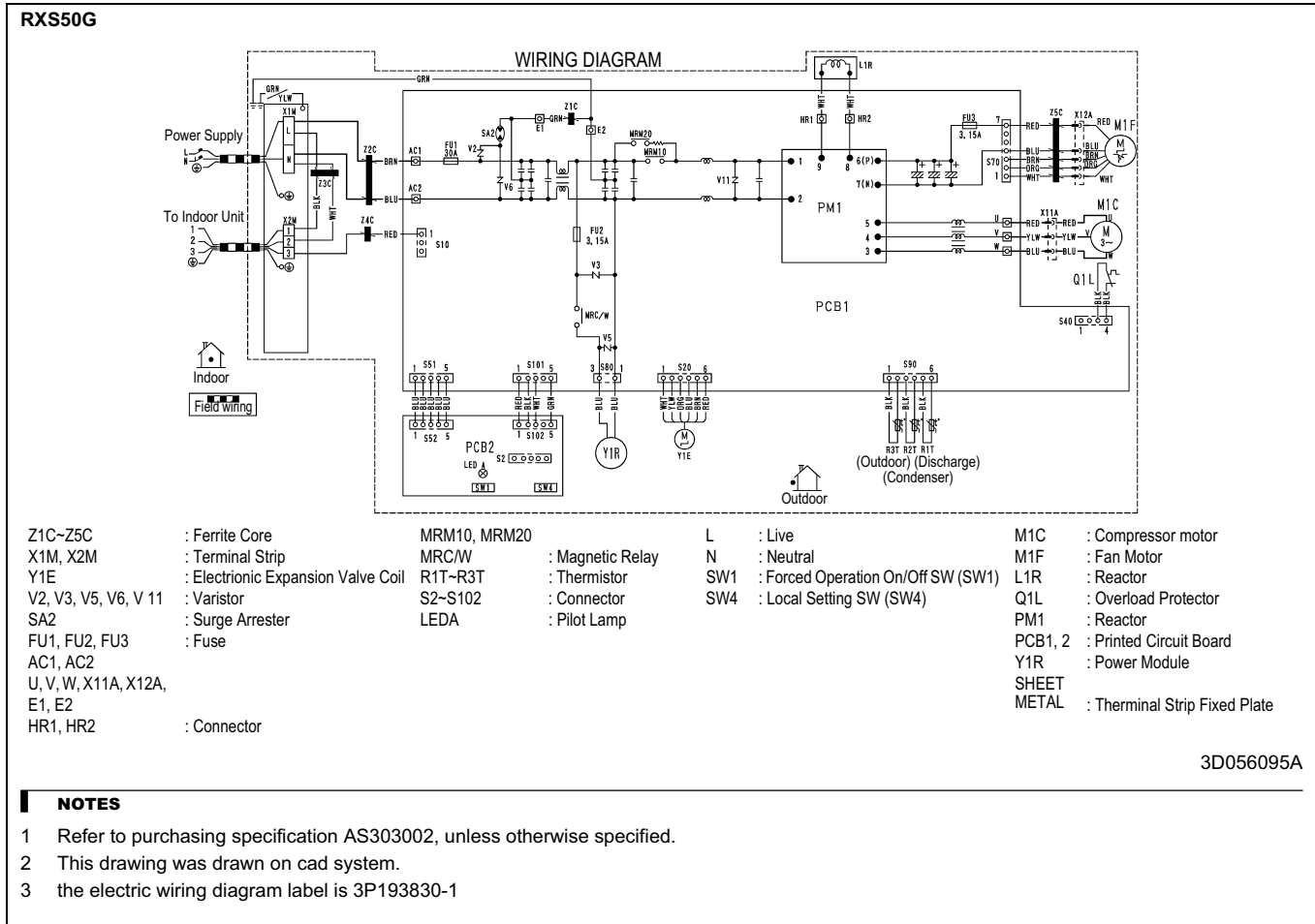
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NOTES

- 1 Refer to purchasing specification AS303002, unless otherwise specified.
- 2 This drawing was drawn on cad system.
- 3 the electric wiring diagram label is 3P210678-1

7 Wiring diagram

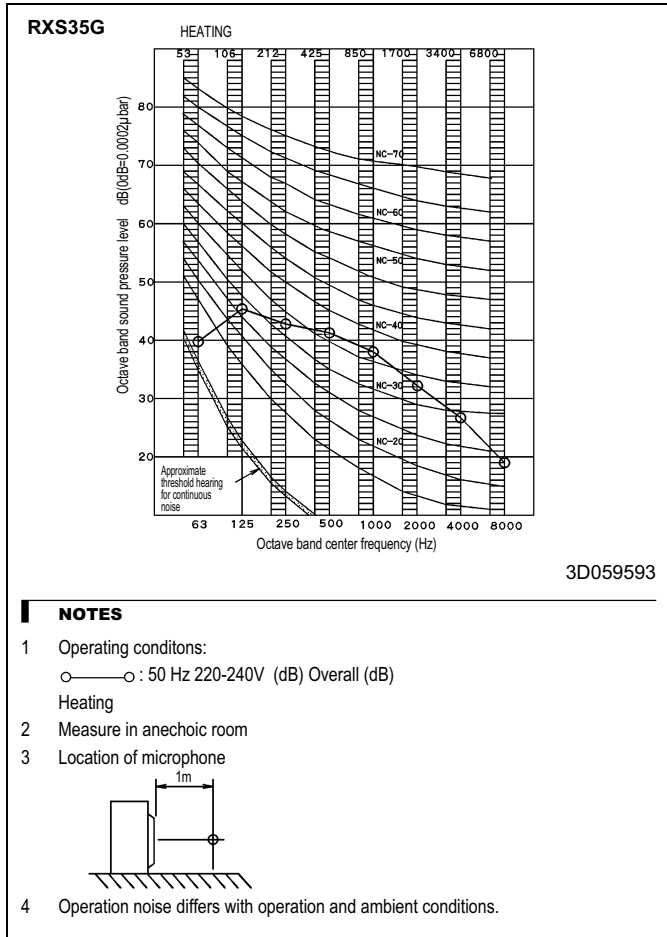
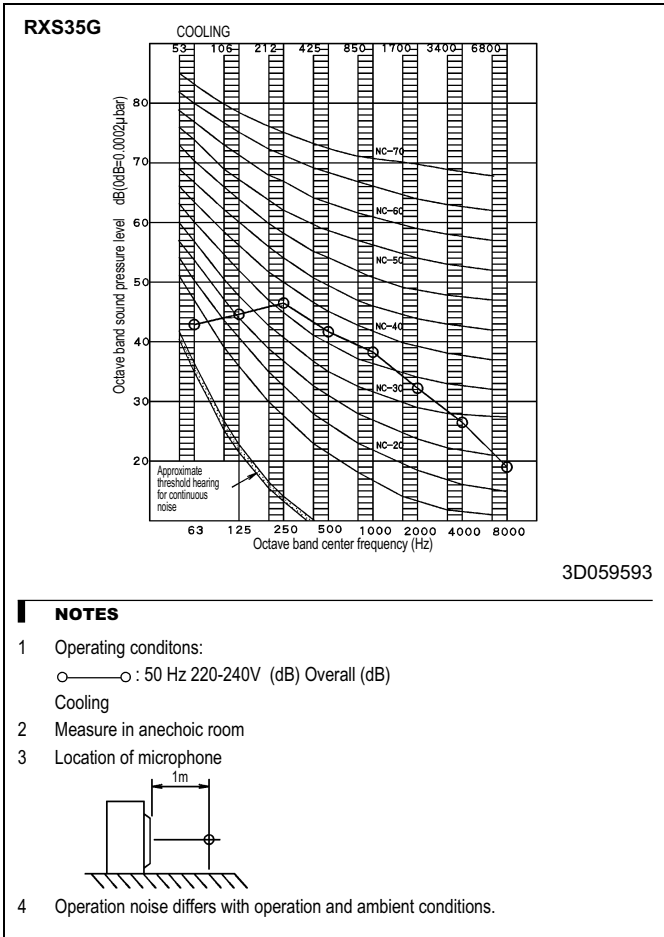
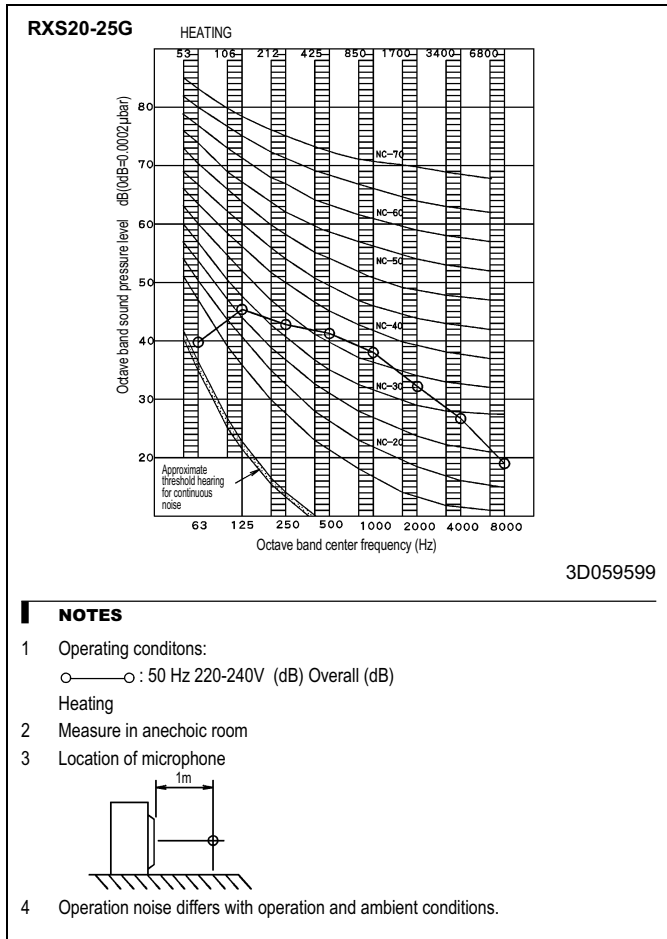
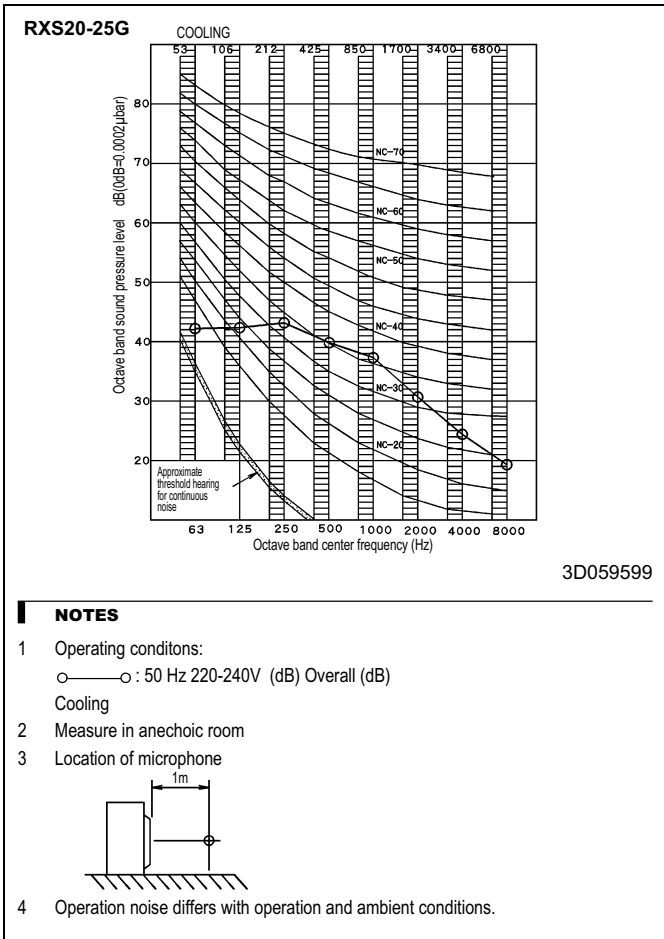
7 - 1 Wiring diagram



8 Sound data

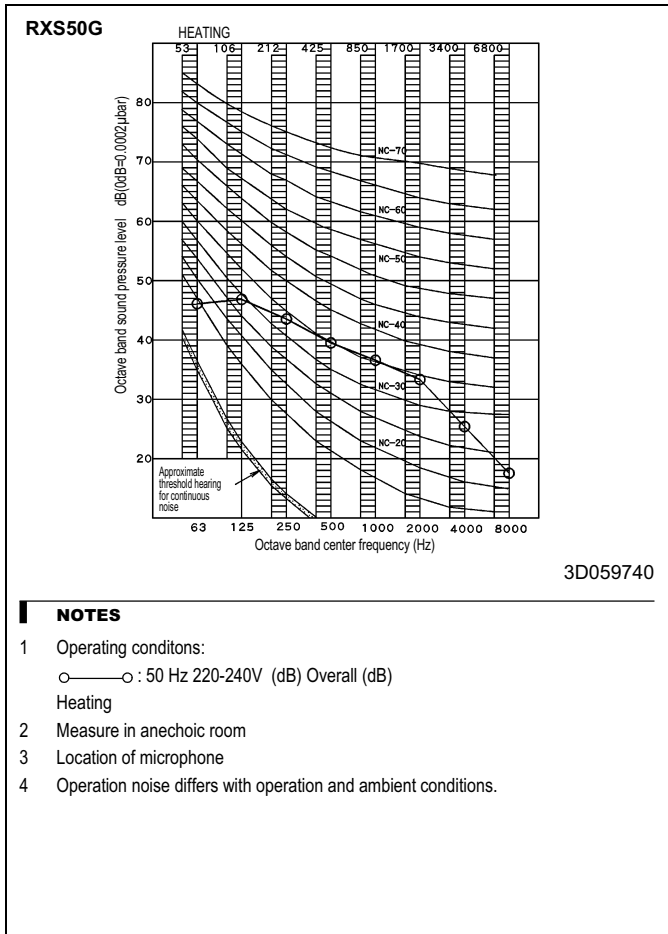
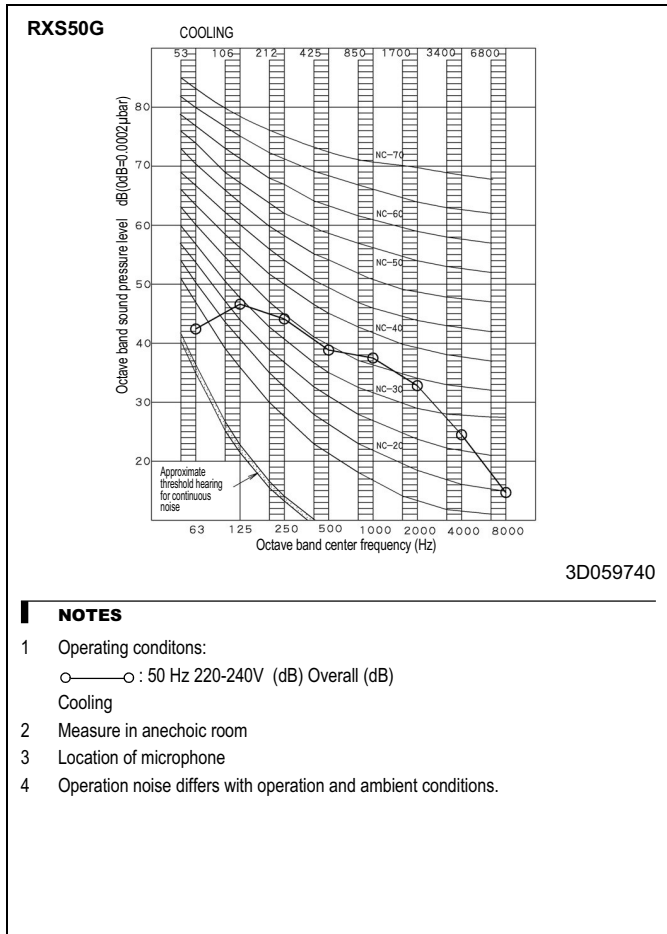
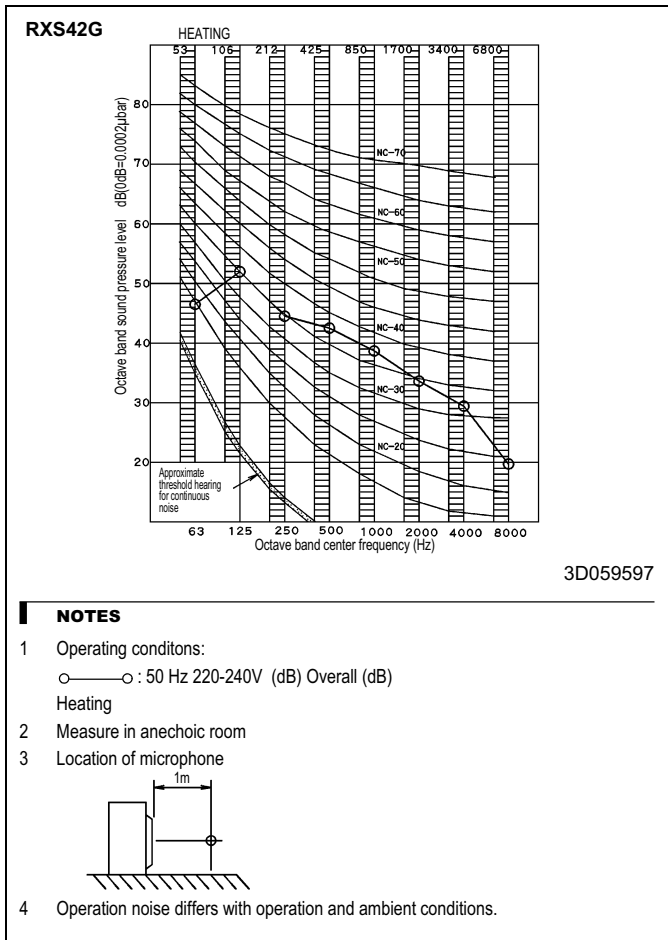
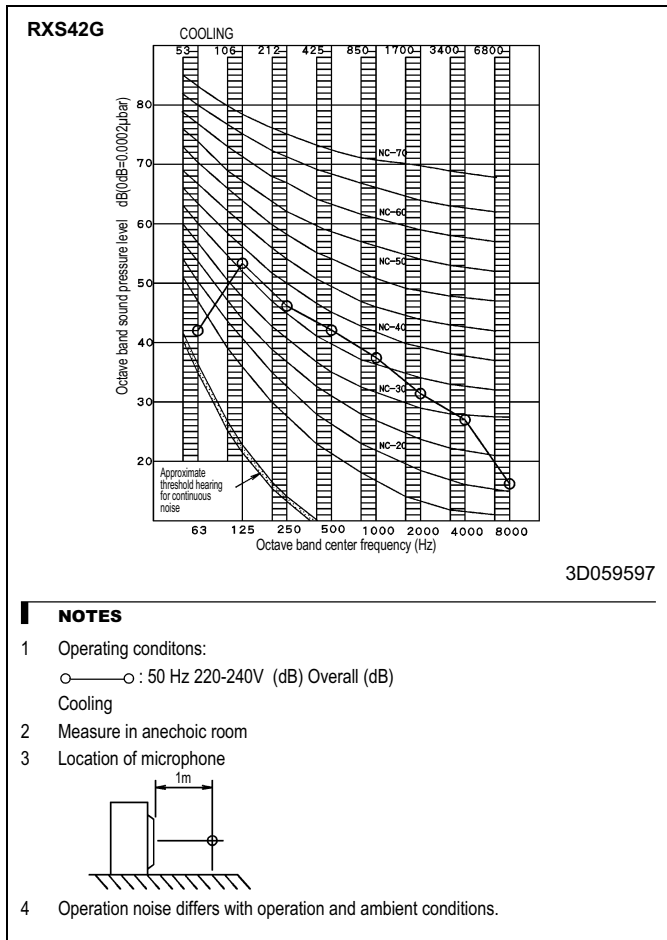
8 - 1 Sound pressure spectrum

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8 Sound data

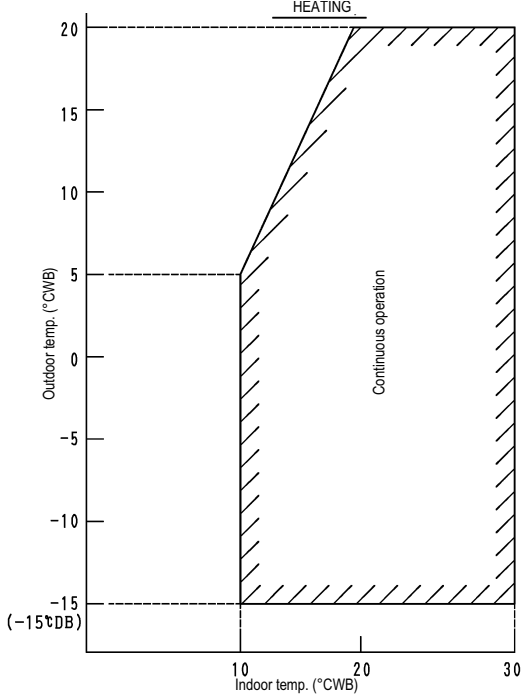
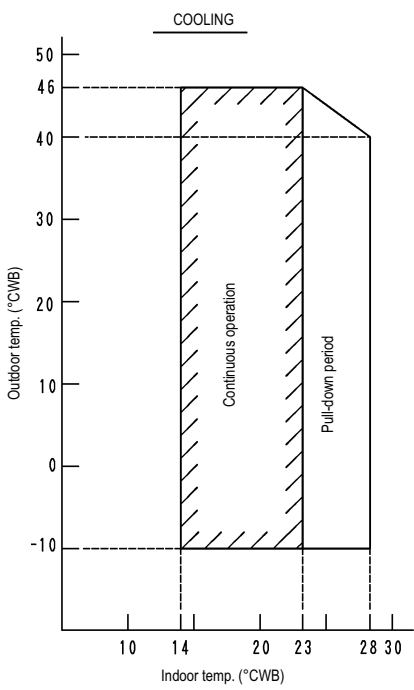
8 - 1 Sound pressure spectrum



9 Operation range

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RXS20-42G

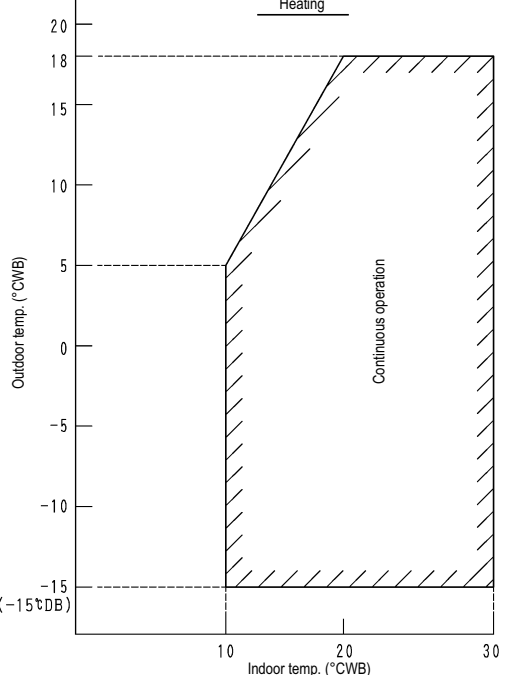
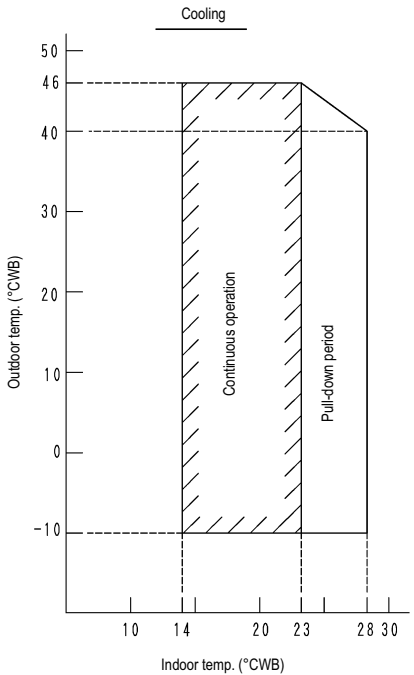


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NOTES

- The graphs are based on the following conditions.
 - Equivalent piping length 7.5m
 - Level difference 0m
 - Air Flow Rate High

RXS50G



3D028318M

NOTES

- The graphs are based on the following conditions.
 - Equivalent piping length 7.5m
 - Level difference 0m
 - Air Flow Rate High