DAIKIN

technical data

air conditioning systems

RXS-E2V1B

Wall Mounted Unit

Split Sky Air

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RXS-E2V1B

1 Specifications

1-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS50E2V1B	RXS60E2V1B	RXS71E2V1B
For combination indoor units + outdoor units	Indoor Units			FTXS50D2V1W	FTXS60EV1B	FTXS71EV1B
Nominal Capacity	Cooling	Minimum	kW	2.0	2.0	4.0
		Standard	kW	5.0	6.0	7.0
		Maximum	kW	5.2	6.7	8.3
	Heating	Minimum	kW	2.0	2.0	4.0
		Standard	kW	5.8	7.0	8.1
		Maximum	kW	6.0	8.0	10.0
Nominal input	Cooling	Minimum	kW	0.500	0.500	1.080
		Standard	kW	1.650	1.990	2.480
		Maximum	kW	1.820	2.400	3.580
	Heating	Minimum	kW	0.520	0.500	0.870
		Standard	kW	2.060	2.040	2.520
		Maximum	kW	2.190	2.810	3.780
For combination indoor units + outdoor units	EER	Cooling		3.03	3.02	2.82
	COP	Heating		2.82	3.43	3.21
	Energy Labeling Directive	Cooling		B	B	C
		Heating		D	B	C
	Annual energy consumption		kWh	825	995	1240
	Indoor Units			FTXS50D2V1L	FDXS60CVMB	
Nominal Capacity	Cooling	Minimum	kW	2.0	2.0	
		Standard	kW	5.0	6.0	
		Maximum	kW	5.2	6.5	
	Heating	Minimum	kW	2.0	2.0	
		Standard	kW	5.8	7.0	
		Maximum	kW	6.0	8.0	
Nominal input	Cooling	Minimum	kW	0.500	0.500	
		Standard	kW	1.650	2.130	
		Maximum	kW	1.820	2.490	
	Heating	Minimum	kW	0.520	0.500	
		Standard	kW	2.060	2.320	
		Maximum	kW	2.190	3.180	
For combination indoor units + outdoor units	EER	Cooling		3.03	2.82	
	COP	Heating		2.82	3.02	
	Energy Labeling Directive	Cooling		B	C	
		Heating		D	D	
	Annual energy consumption		kWh	825	1,065	
	Indoor Units			FTXS50EV1B		
Nominal Capacity	Cooling	Minimum	kW	2.0		
		Standard	kW	5.0		
		Maximum	kW	6.0		
	Heating	Minimum	kW	2.0		
		Standard	kW	5.8		
		Maximum	kW	7.7		
Nominal input	Cooling	Minimum	kW	0.500		
		Standard	kW	1.550		
		Maximum	kW	2.080		
	Heating	Minimum	kW	0.500		
		Standard	kW	1.600		
		Maximum	kW	2.530		
For combination indoor units + outdoor units	EER	Cooling		3.23		
	COP	Heating		3.63		
	Energy Labeling Directive	Cooling		A		
		Heating		A		
	Annual energy consumption		kWh	775		
	Indoor Units			FLXS50BAVMB		

1 Specifications

1-1 NOMINAL CAPACITY AND NOMINAL INPUT				RXS50E2V1B	RXS60E2V1B	RXS71E2V1B
Nominal Capacity	Cooling	Minimum	kW	0.9		
		Standard	kW	4.9		
		Maximum	kW	5.3		
	Heating	Minimum	kW	0.9		
		Standard	kW	6.1		
		Maximum	kW	7.5		
Nominal input	Cooling	Minimum	kW	0.450		
		Standard	kW	1.720		
		Maximum	kW	1.950		
	Heating	Minimum	kW	0.310		
		Standard	kW	1.820		
		Maximum	kW	3.540		
For combination indoor units + outdoor units	EER	Cooling		2.85		
	COP	Heating		3.35		
	Energy Labeling Directive	Cooling		C		
		Heating		C		
	Annual energy consumption		kWh	860		
	Indoor Units			FVXS50BAVMB		
Nominal Capacity	Cooling	Minimum	kW	0.9		
		Standard	kW	4.8		
		Maximum	kW	5.3		
	Heating	Minimum	kW	0.9		
		Standard	kW	6.0		
		Maximum	kW	7.7		
Nominal input	Cooling	Minimum	kW	0.450		
		Standard	kW	1.700		
		Maximum	kW	2.350		
	Heating	Minimum	kW	0.310		
		Standard	kW	1.870		
		Maximum	kW	2.600		
For combination indoor units + outdoor units	EER	Cooling		2.82		
	COP	Heating		3.21		
	Energy Labeling Directive	Cooling		C		
		Heating		C		
	Annual energy consumption		kWh	850		
	Indoor Units			FDXS50CVMB		
Nominal Capacity	Cooling	Minimum	kW	2.0		
		Standard	kW	5.0		
		Maximum	kW	5.3		
	Heating	Minimum	kW	2.0		
		Standard	kW	5.8		
		Maximum	kW	6.0		
Nominal input	Cooling	Minimum	kW	0.500		
		Standard	kW	1.650		
		Maximum	kW	1.930		
	Heating	Minimum	kW	0.500		
		Standard	kW	1.920		
		Maximum	kW	2.040		
For combination indoor units + outdoor units	EER	Cooling		3.03		
	COP	Heating		3.02		
	Energy Labeling Directive	Cooling		B		
		Heating		D		
	Annual energy consumption		kWh	825		

1 Specifications

1-2 TECHNICAL SPECIFICATIONS				RXS50E2V1B	RXS60E2V1B	RXS71E2V1B
Casing	Colour			Ivory White		
Dimensions	Unit	Height	mm	735	735	735
		Width	mm	825	825	825
		Depth	mm	300	300	300
	Packing	Height	mm	797	797	797
		Width	mm	960	960	960
		Depth	mm	390	390	390
Weight	Unit		kg	48	48	56
	Packed Unit		kg	53	53	61
Heat Exchanger	Dimensions	Length	mm	845	845	845
		Nr of Rows		2	2	2
		Fin Pitch	mm	1.80	1.80	1.80
		Nr of Stages		32	32	32
	Tube type			Hi-Xa(8)		
	Fin	Type		Waffle fin		
		Treatment		Anti-corrosion treatment (PE)		
Fan	Type			Propeller		
	Quantity			1	1	1
	Air Flow Rate (nominal at 230V)	Cooling	m³/min	48.9	50.9	59.4
		Heating	m³/min	45.0	46.3	52.2
	Motor	Quantity		1	1	1
		Model		KFD-380-50-8A		
Motor	Speed (nominal)	Cooling	rpm	780	810	940
		Heating	rpm	720	740	830
Fan	Motor	Output	W	53	53	53
Compressor	Quantity			1	1	1
	Motor	Model		2YC36BXD#A	2YC36BXD#A	2YC63BXD#C
		Type		Hermetically sealed swing compressor		
		Motor Output	W	1100	1100	1920
Operation Range	Cooling	Min	°CDB	-10.0	-10.0	-10.0
		Max	°CDB	46.0	46.0	46.0
	Heating	Min	°CWB	-15	-15	-15
		Max	°CWB	18	18	18
Sound Level (nominal)	Cooling	Sound Power	dBA	61.0	63.0	66.0
		Sound Pressure	dBA	47.0	49.0	53.0
	Heating	Sound Pressure	dBA	48.0	49.0	52.0
Refrigerant	Type			R-410A		
	Charge		kg	1.5	1.5	1.7
Refrigerant Oil	Type			FVC50K		
	Charged Volume		l	0.65	0.65	0.75
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.35	6.35
	Gas	Diameter (OD)	mm	12.7	12.7	15.9
	Drain	Diameter (OD)	mm	18	18	18
	Piping Length	Maximum	m	30	30	30
	Additional Refrigerant Charge		kg/m	0.02/>10m		
	Max. internunit level difference		m	20.0	20.0	20.0
	Heat Insulation			Both liquid and gas pipes		
Standard Accessories	Item			Installation manual		
	Quantity			1	1	1
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.		
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 5m, level difference : 0m		
				Sound levels are measured in an anechoic room		
				Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to sound level drawings of this chapter.		
				The sound power level is an absolute value indicating the power which a sound source generates.		

1 Specifications

1-3 ELECTRICAL SPECIFICATIONS				RXS50E2V1B	RXS60E2V1B	RXS71E2V1B
Power Supply	Name			V1		
	Phase			1	1	1
	Frequency		Hz	50	50	50
	Voltage		V	220-240		
	Voltage range	Minimum	V	-10%		
		Maximum	V	+10%		
Current	Nominal running current (RLA)	Cooling (A)	A	6.75	8.62	10.70
		Heating (A)	A	6.94	8.80	10.78
	Starting current (cooling/heating)		A	7.1	9.0	11
Wiring connections	For Power Supply	Quantity		3	3	3
	For connection with indoor	Quantity		4	4	4
		Remark		included earth wiring		
Power Supply Intake				Outdoor unit only	Indoor unit only	Outdoor unit only

2 Electrical data

RXS50E

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50D2V1W FTXS50D2V1L	RXS50E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	72	6.8	53	0.27	40	0.16
FTXS50EV1B	RXS50E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	67	6.4	53	0.27	43	0.16
FLXS50BAVMB	RXS50E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	7.1	53	0.27	34	0.54
FVXS50BAVMB	RXS50E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	7.0	53	0.27	14+14	0.31
FDXS50CVMB	RXS50E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	6.8	53	0.27	130	0.70

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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)

NOTES

1 RLA is based on the following conditions:
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 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
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.

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RXS60E

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS60EV1B	RXS60E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	84	8.3	53	0.32	43	0.16
FDXS60CVMB	RXS60E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	87	8.9	53	0.32	130	0.80

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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)

NOTES

1 RLA is based on the following conditions:
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 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
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.

2 Electrical data

RXS71E

Representative unit combination		Power supply				Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS71EV1B	RXS71E2V1B	50–220 50–230 50–240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	60.5	10.4	53	0.42	43	0.18

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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)

NOTES

1 RLA is based on the following conditions:
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 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

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 Capacity tables

3 - 1 Cooling/Heating capacity tables

FTXS50D + RXS50E

AFR	11.4
BF	0.31

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	3.83	2.70	1.12	3.83	2.70	1.28	3.83	2.70	1.43	3.83	2.70	1.49	3.83	2.70	1.58	3.83	2.70	1.73
16.0	22	4.70	3.01	1.21	4.70	3.01	1.36	4.70	3.01	1.50	4.70	3.01	1.56	4.65	2.99	1.64	4.42	2.86	1.76
18.0	25	5.58	3.46	1.28	5.35	3.33	1.40	5.12	3.21	1.52	5.02	3.17	1.57	4.88	3.10	1.65	4.65	2.98	1.77
19.0	27	5.70	3.57	1.28	5.47	3.45	1.41	5.23	3.34	1.53	5.14	3.29	1.58	5.00	3.22	1.65	4.77	3.11	1.77
22.0	30	6.04	3.42	1.30	5.81	3.32	1.42	5.58	3.21	1.54	5.49	3.17	1.59	5.35	3.11	1.66	5.11	3.01	1.78
24.0	32	6.27	3.31	1.30	6.04	3.21	1.42	5.81	3.12	1.55	5.72	3.08	1.60	5.58	3.02	1.67	5.34	2.93	1.79

Heating **50Hz 220-240V**

AFR	11.4

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.74	4.56	1.83	5.21	1.91	6.00	2.01	6.52	2.08
20.0	3.70	1.79	4.36	1.87	5.01	1.96	5.80	2.06	5.94	2.12
22.0	3.62	1.81	4.28	1.89	4.93	1.98	5.61	2.08	5.61	2.14
24.0	3.54	1.83	4.20	1.91	4.85	2.00	5.28	2.09	5.28	2.16
25.0	3.50	1.83	4.16	1.92	4.81	2.00	5.11	2.10	5.11	2.17
27.0	3.42	1.85	4.08	1.94	4.73	2.02	4.78	2.12	4.78	2.19

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SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FTXS50E + RXS50E

Cooling **50Hz 220-240V**

AFR	14.7
BF	0.28

Indoor		Outdoor temperature (°C)																	
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	5.12	3.61	1.19	4.89	3.49	1.30	4.66	3.37	1.42	4.56	3.32	1.46	4.42	3.25	1.53	4.19	3.13	1.65
16.0	22	5.35	3.55	1.20	5.12	3.43	1.31	4.89	3.32	1.43	4.79	3.27	1.47	4.65	3.21	1.54	4.42	3.10	1.65
18.0	25	5.58	3.69	1.20	5.35	3.58	1.32	5.12	3.47	1.43	5.02	3.43	1.48	4.88	3.37	1.55	4.65	3.26	1.66
19.0	27	5.70	3.86	1.21	5.47	3.75	1.32	5.23	3.65	1.44	5.14	3.61	1.48	5.00	3.55	1.55	4.77	3.45	1.66
22.0	30	6.04	3.71	1.22	5.81	3.62	1.33	5.58	3.52	1.45	5.49	3.49	1.49	5.35	3.43	1.56	5.11	3.35	1.67
24.0	32	6.27	3.60	1.22	6.04	3.52	1.34	5.81	3.43	1.45	5.72	3.40	1.50	5.58	3.35	1.57	5.34	3.27	1.68

Heating **50Hz 220-240V**

AFR	16.1

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.35	4.56	1.42	5.21	1.48	6.00	1.56	6.52	1.62
20.0	3.70	1.39	4.36	1.46	5.01	1.52	5.80	1.60	6.32	1.65
22.0	3.62	1.40	4.28	1.47	4.93	1.54	5.72	1.61	6.24	1.67
24.0	3.54	1.42	4.20	1.48	4.85	1.55	5.64	1.63	6.16	1.68
25.0	3.50	1.43	4.16	1.49	4.81	1.56	5.60	1.64	6.12	1.69
27.0	3.42	1.44	4.08	1.51	4.73	1.57	5.52	1.65	6.04	1.70

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SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FLXS50B + RXS50E

AFR	11.4
BF	0.18

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	4.96	3.26	1.37	4.81	3.19	1.47	4.66	3.12	1.56	4.60	3.09	1.60	4.51	3.05	1.66	4.36	2.98	1.75
16.0	22	5.12	3.30	1.40	4.97	3.23	1.49	4.82	3.16	1.59	4.76	3.13	1.62	4.67	3.09	1.68	4.52	3.02	1.78
18.0	25	5.27	3.33	1.42	5.12	3.26	1.52	4.97	3.19	1.61	4.91	3.16	1.65	4.82	3.12	1.71	4.67	3.05	1.80
19.0	27	5.35	3.35	1.44	5.20	3.28	1.53	5.05	3.21	1.63	4.99	3.18	1.66	4.90	3.14	1.72	4.75	3.07	1.82
22.0	30	5.58	3.40	1.47	5.43	3.33	1.57	5.28	3.26	1.66	5.22	3.23	1.70	5.13	3.19	1.76	4.98	3.12	1.85
24.0	32	5.74	3.43	1.50	5.59	3.36	1.60	5.44	3.29	1.69	5.38	3.26	1.73	5.29	3.22	1.79	5.14	3.15	1.88

Heating **50Hz 220-240V**

AFR	12.1

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.06	1.31	3.80	1.40	4.54	1.49	5.28	1.58	6.16	1.69	6.75	1.76
18.0	3.03	1.37	3.77	1.46	4.51	1.55	5.24	1.65	6.13	1.75	6.72	1.83
20.0	3.00	1.44	3.74	1.53	4.48	1.62	5.21	1.71	6.10	1.82	6.69	1.89
21.0	2.98	1.47	3.72	1.56	4.46	1.65	5.20	1.74	6.08	1.85	6.68	1.93
22.0	2.97	1.50	3.71	1.59	4.45	1.69	5.18	1.78	6.07	1.89	6.66	1.96
24.0	2.94	1.57	3.68	1.66	4.42	1.75	5.15	1.84	6.04	1.95	6.63	2.02

3D051896

SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FVXS50B + RXS50E

AFR	10.8
BF	0.23

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	4.86	3.15	1.35	4.71	3.08	1.45	4.56	3.01	1.54	4.50	2.98	1.58	4.41	2.94	1.64	4.26	2.87	1.73
16.0	22	5.02	3.18	1.38	4.87	3.11	1.47	4.72	3.04	1.57	4.66	3.02	1.60	4.57	2.97	1.66	4.42	2.90	1.76
18.0	25	5.17	3.22	1.40	5.02	3.15	1.50	4.87	3.08	1.59	4.81	3.05	1.63	4.72	3.01	1.69	4.57	2.94	1.78
19.0	27	5.25	3.23	1.42	5.10	3.16	1.51	4.95	3.09	1.61	4.89	3.07	1.64	4.80	3.02	1.70	4.65	2.95	1.80
22.0	30	5.48	3.29	1.45	5.33	3.22	1.55	5.18	3.15	1.64	5.12	3.12	1.68	5.03	3.08	1.74	4.88	3.01	1.83
24.0	32	5.64	3.32	1.48	5.49	3.25	1.58	5.34	3.18	1.67	5.28	3.15	1.71	5.19	3.11	1.77	5.04	3.04	1.86

Heating **50Hz 220-240V**

AFR	13.2

Indoor	Outdoor temperature (°CWB)											
EDB	-15		-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.01	1.34	3.74	1.44	4.46	1.53	5.19	1.62	6.06	1.74	6.64	1.81
18.0	2.98	1.41	3.71	1.50	4.43	1.60	5.16	1.69	6.03	1.80	6.61	1.88
20.0	2.95	1.48	3.68	1.57	4.40	1.66	5.13	1.76	6.00	1.87	6.58	1.94
21.0	2.94	1.51	3.66	1.60	4.39	1.70	5.11	1.79	5.99	1.90	6.57	1.98
22.0	2.92	1.54	3.65	1.64	4.37	1.73	5.10	1.83	5.97	1.94	6.55	2.01
24.0	2.89	1.61	3.62	1.71	4.34	1.80	5.07	1.89	5.94	2.00	6.52	2.08

3D051895

SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FDXS50C + RXS50E

AFR	12.0
BF	0.11

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	3.92	2.76	1.13	3.92	2.76	1.29	3.92	2.76	1.44	3.92	2.76	1.50	3.92	2.76	1.59	3.92	2.76	1.74
16.0	22	4.81	3.08	1.22	4.81	3.08	1.37	4.81	3.08	1.51	4.79	3.07	1.57	4.65	3.00	1.64	4.42	2.88	1.76
18.0	25	5.58	3.47	1.28	5.35	3.35	1.40	5.12	3.23	1.52	5.02	3.18	1.57	4.88	3.11	1.65	4.65	3.00	1.77
19.0	27	5.70	3.59	1.28	5.47	3.47	1.41	5.23	3.36	1.53	5.14	3.31	1.58	5.00	3.24	1.65	4.77	3.13	1.77
22.0	30	6.04	3.44	1.30	5.81	3.33	1.42	5.58	3.23	1.54	5.49	3.19	1.59	5.35	3.13	1.66	5.11	3.03	1.78
24.0	32	6.27	3.32	1.30	6.04	3.23	1.42	5.81	3.13	1.55	5.72	3.10	1.60	5.58	3.04	1.67	5.34	2.95	1.79

Heating **50Hz 220-240V**

AFR	12.0

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.62	4.56	1.70	5.21	1.78	6.00	1.88	6.52	1.94
20.0	3.70	1.67	4.36	1.75	5.01	1.83	5.80	1.92	6.32	1.98
22.0	3.62	1.68	4.28	1.76	4.93	1.84	5.72	1.94	6.24	2.00
24.0	3.54	1.70	4.20	1.78	4.85	1.86	5.64	1.95	6.16	2.02
25.0	3.50	1.71	4.16	1.79	4.81	1.87	5.60	1.96	6.12	2.03
27.0	3.42	1.73	4.08	1.81	4.73	1.89	5.52	1.98	6.04	2.04

3D052271

SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
Corresponding refrigerant piping length: 7.5 m
Level difference: 0 m

6 Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FTXS60E + RXS60E

AFR	16.0
BF	0.12

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	5.60	3.94	1.49	5.60	3.94	1.66	5.59	3.94	1.82	5.48	3.88	1.88	5.31	3.79	1.97	5.03	3.64	2.12
16.0	22	6.42	4.17	1.54	6.14	4.02	1.68	5.86	3.88	1.83	5.75	3.82	1.89	5.59	3.74	1.98	5.31	3.60	2.12
18.0	25	6.70	4.31	1.54	6.42	4.17	1.69	6.14	4.04	1.84	6.03	3.99	1.90	5.86	3.91	1.99	5.58	3.78	2.13
19.0	27	6.84	4.49	1.55	6.56	4.36	1.70	6.28	4.23	1.84	6.17	4.18	1.90	6.00	4.10	1.99	5.72	3.98	2.14
22.0	30	7.25	4.31	1.56	6.97	4.19	1.71	6.69	4.08	1.86	6.58	4.04	1.91	6.41	3.97	2.00	6.14	3.86	2.15
24.0	32	7.53	4.18	1.57	7.25	4.07	1.72	6.97	3.97	1.86	6.86	3.93	1.92	6.69	3.87	2.01	6.41	3.77	2.16

Heating **50Hz 220-240V**

AFR	16.0

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.71	1.73	5.50	1.81	6.29	1.89	7.24	1.99	7.87	2.06
20.0	4.47	1.77	5.26	1.86	6.05	1.94	7.00	2.04	7.63	2.11
22.0	4.37	1.79	5.16	1.87	5.95	1.96	6.90	2.06	7.54	2.13
24.0	4.28	1.81	5.07	1.89	5.86	1.98	6.81	2.08	7.44	2.14
25.0	4.23	1.82	5.02	1.90	5.81	1.99	6.76	2.09	7.39	2.15
27.0	4.13	1.84	4.92	1.92	5.71	2.00	6.66	2.10	7.29	2.17

3D051924

SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FDXS60C + RXS60E

AFR	16.0
BF	0.12

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	6.12	4.31	1.63	5.87	4.18	1.79	5.59	4.03	1.95	5.48	3.97	2.01	5.31	3.89	2.11	5.03	3.74	2.26
16.0	22	6.42	4.25	1.64	6.14	4.11	1.80	5.86	3.97	1.96	5.75	3.92	2.02	5.59	3.84	2.12	5.31	3.70	2.27
18.0	25	6.70	4.41	1.65	6.42	4.28	1.81	6.14	4.15	1.97	6.03	4.10	2.03	5.86	4.02	2.13	5.58	3.90	2.28
19.0	27	6.84	4.61	1.66	6.56	4.49	1.82	6.28	4.36	1.97	6.17	4.31	2.04	6.00	4.24	2.13	5.72	4.12	2.29
22.0	30	7.25	4.43	1.67	6.97	4.32	1.83	6.69	4.21	1.99	6.58	4.17	2.05	6.41	4.10	2.14	6.13	3.99	2.30
24.0	32	7.53	4.30	1.68	7.25	4.20	1.84	6.97	4.10	2.00	6.86	4.06	2.06	6.69	4.00	2.15	6.35	3.89	2.30

Heating **50Hz 220-240V**

AFR	16.0

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.71	1.96	5.50	2.06	6.29	2.15	7.24	2.27	7.87	2.34
20.0	4.47	2.01	5.26	2.11	6.05	2.21	7.00	2.32	7.63	2.40
22.0	4.37	2.04	5.16	2.13	5.95	2.23	6.90	2.34	7.54	2.42
24.0	4.28	2.06	5.07	2.15	5.86	2.25	6.81	2.36	7.44	2.44
25.0	4.23	2.07	5.02	2.16	5.81	2.26	6.76	2.37	7.39	2.45
27.0	4.13	2.09	4.92	2.18	5.71	2.28	6.66	2.39	7.29	2.47

3D052272

SYMBOLS

AFR	: Air flow rate	(m^3/min)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°CWB)
EDB	: Entering dry bulb temp.	(°CDB)
TC	: Total cooling capacity	(kW)
SHC	: Sensible heating 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 not 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 following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

3 Capacity tables

3 - 1 Cooling/Heating capacity tables

FTXS71E + RXS71E

AFR	17.4
BF	0.30

Cooling **50Hz 220-240V**

Indoor		Outdoor temperature (°C)																	
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	5.93	4.18	1.78	5.93	4.18	2.00	5.93	4.18	2.22	5.93	4.18	2.31	5.93	4.18	2.44	5.87	4.14	2.64
16.0	22	7.28	4.67	1.90	7.17	4.60	2.10	6.84	4.43	2.28	6.71	4.37	2.35	6.52	4.26	2.46	6.19	4.10	2.65
18.0	25	7.82	4.92	1.92	7.49	4.76	2.11	7.16	4.60	2.29	7.03	4.53	2.36	6.84	4.44	2.47	6.51	4.28	2.66
19.0	27	7.98	5.11	1.93	7.65	4.95	2.11	7.33	4.79	2.30	7.20	4.73	2.37	7.00	4.64	2.48	6.67	4.49	2.66
22.0	30	8.46	4.90	1.95	8.14	4.76	2.13	7.81	4.62	2.31	7.68	4.56	2.39	7.48	4.48	2.50	7.16	4.35	2.68
24.0	32	8.78	4.74	1.96	8.46	4.61	2.14	8.13	4.49	2.32	8.00	4.44	2.40	7.81	4.36	2.51	7.48	4.24	2.69

Heating **50Hz 220-240V**

AFR	19.7

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	5.45	2.13	6.37	2.23	7.28	2.34	8.38	2.46	9.11	2.55
20.0	5.17	2.19	6.09	2.29	7.00	2.40	8.10	2.52	8.83	2.60
22.0	5.06	2.21	5.98	2.31	6.89	2.42	7.99	2.54	8.72	2.63
24.0	4.95	2.23	5.86	2.34	6.78	2.44	7.88	2.57	8.61	2.65
25.0	4.89	2.24	5.81	2.35	6.72	2.45	7.82	2.58	8.47	2.66
27.0	4.78	2.27	5.70	2.37	6.61	2.47	7.71	2.60	7.92	2.67

3D052800

SYMBOLS

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

NOTES

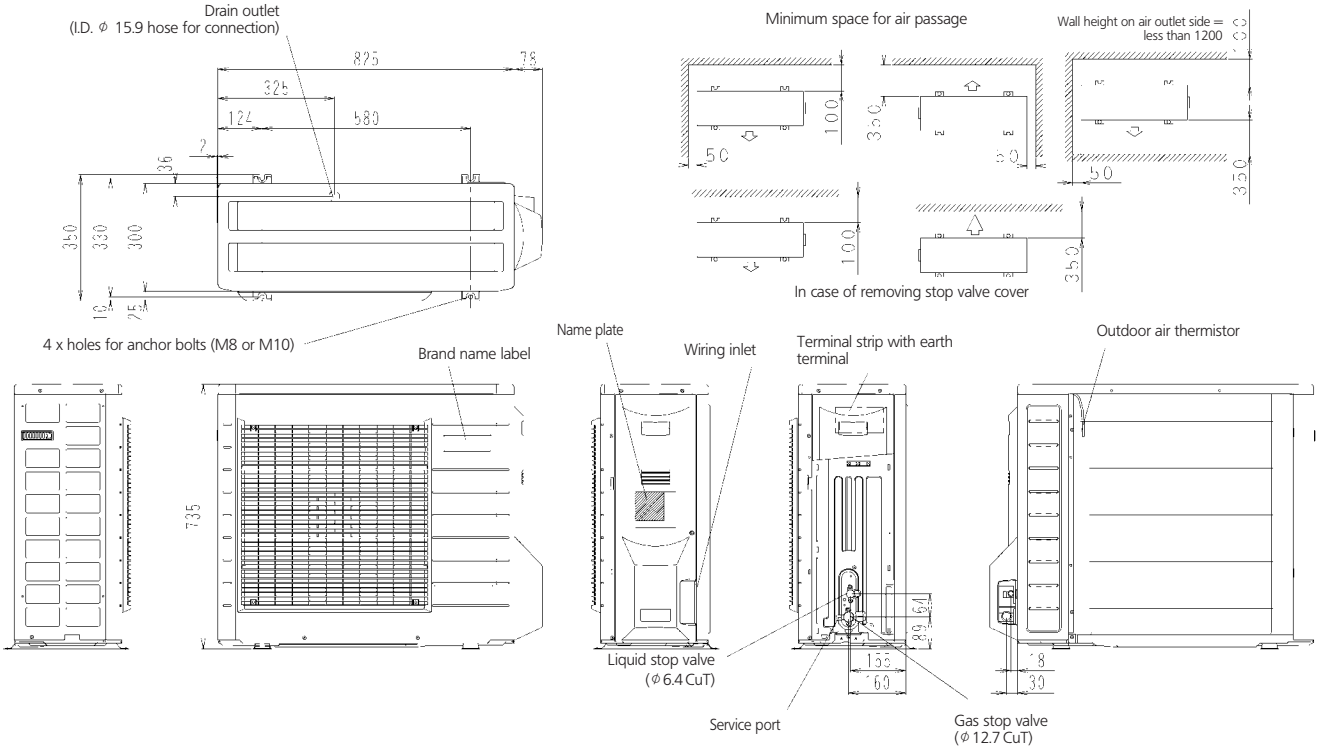
1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on following conditions:
   Corresponding refrigerant piping length: 7.5 m
   Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are taburated above.

4 Dimensional drawing & centre of gravity

4 - 1 Dimensional drawing

unit (mm)

RXS50-60E



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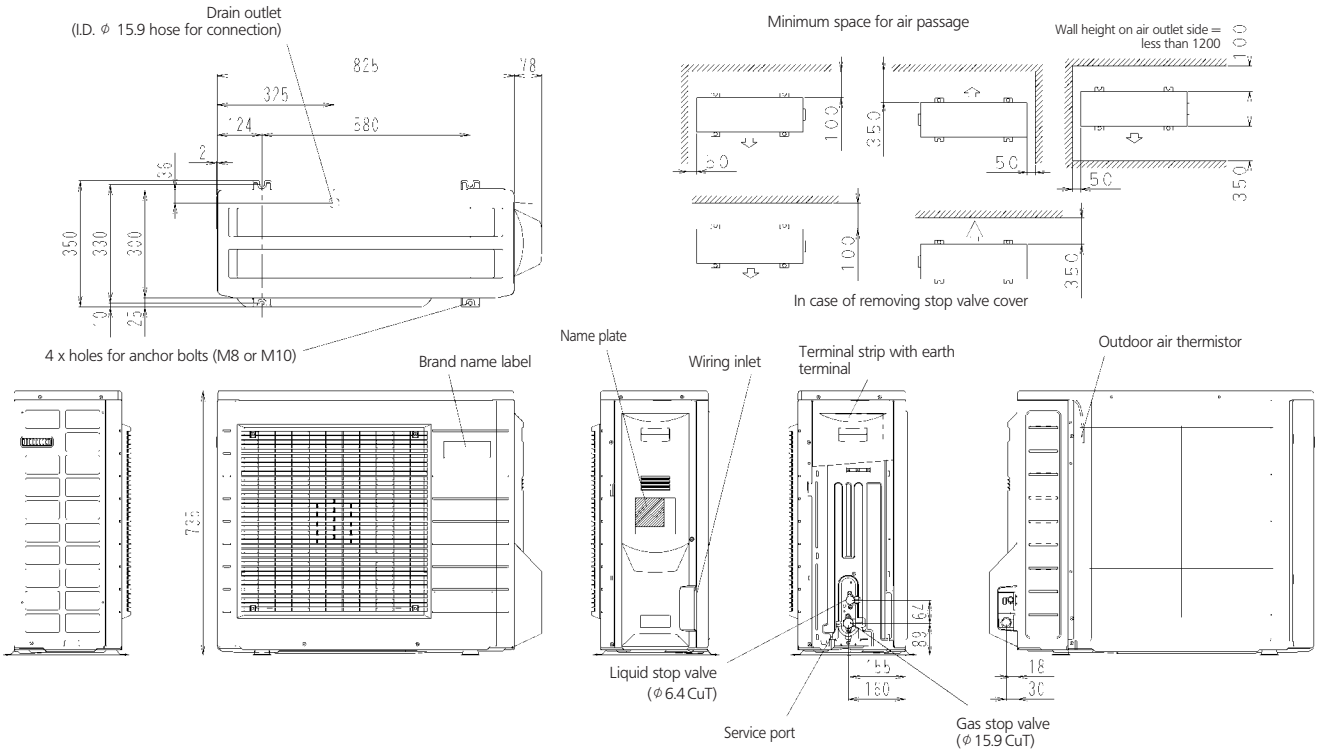
4

unit (mm)

RXS71E



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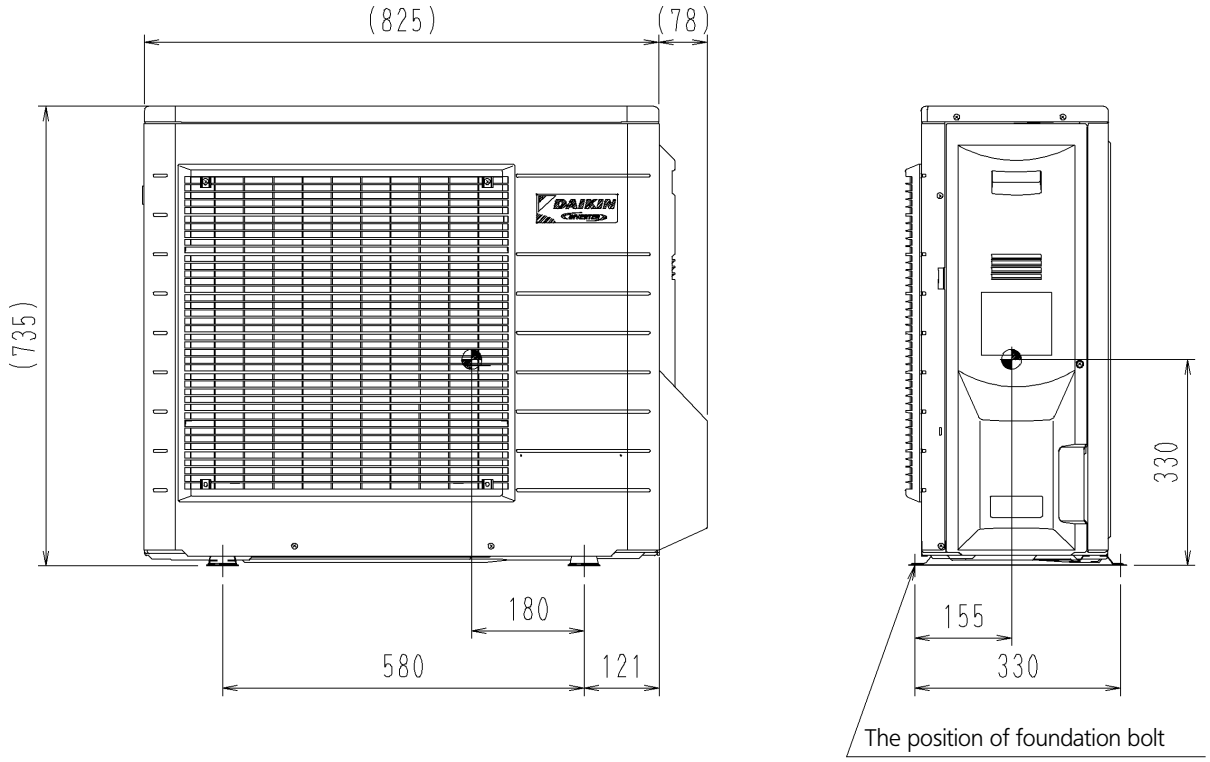
4 Dimensional drawing & centre of gravity

4 - 2 Centre of gravity

RXS50-60E



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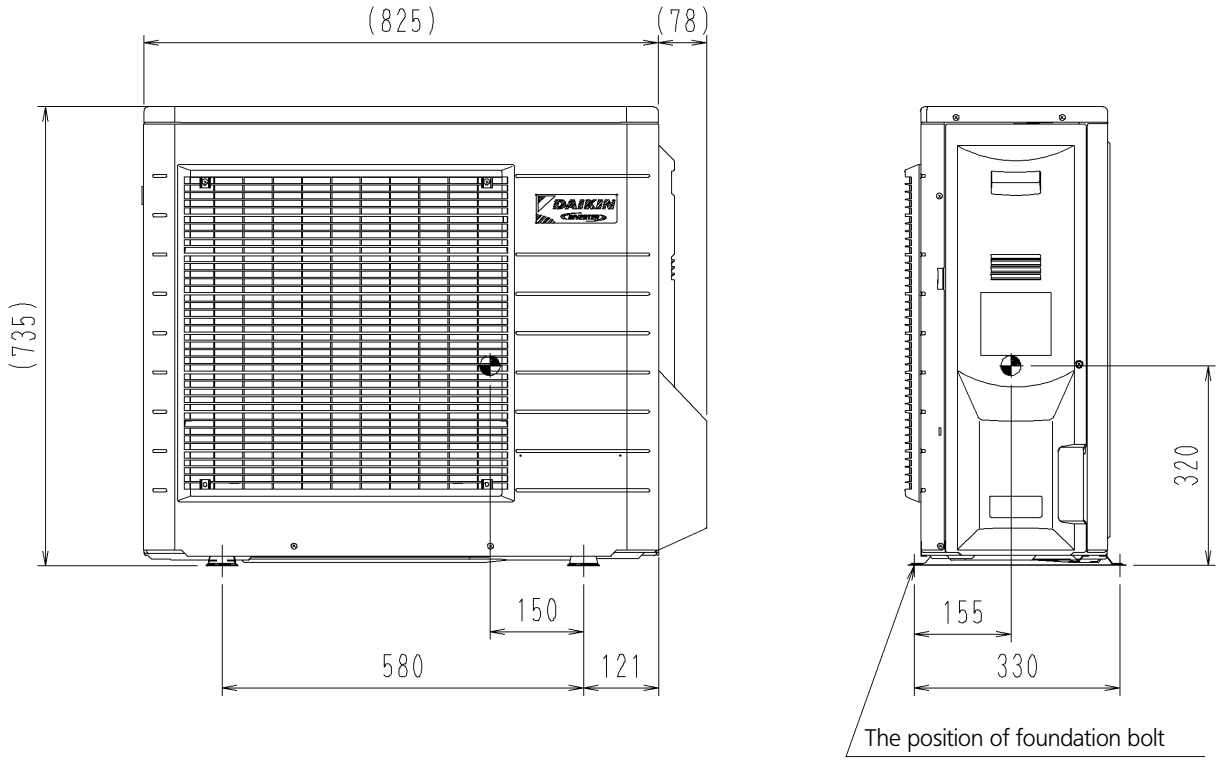
RXS71E



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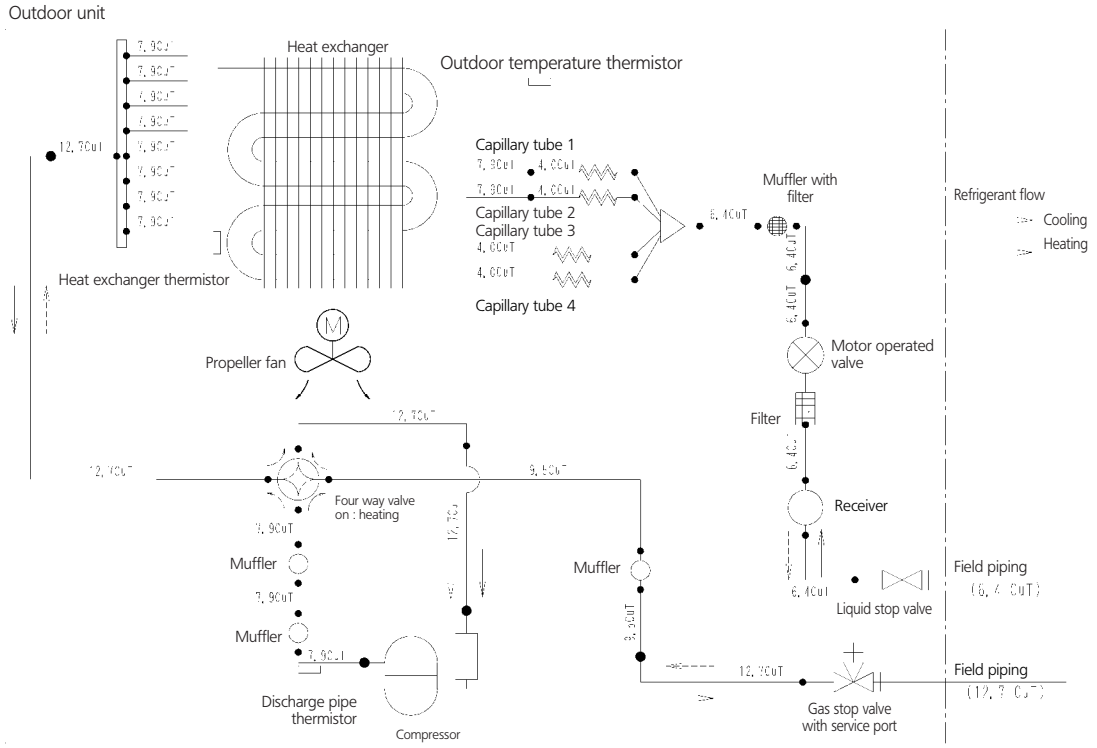
5 Piping diagram

RXS50-60E



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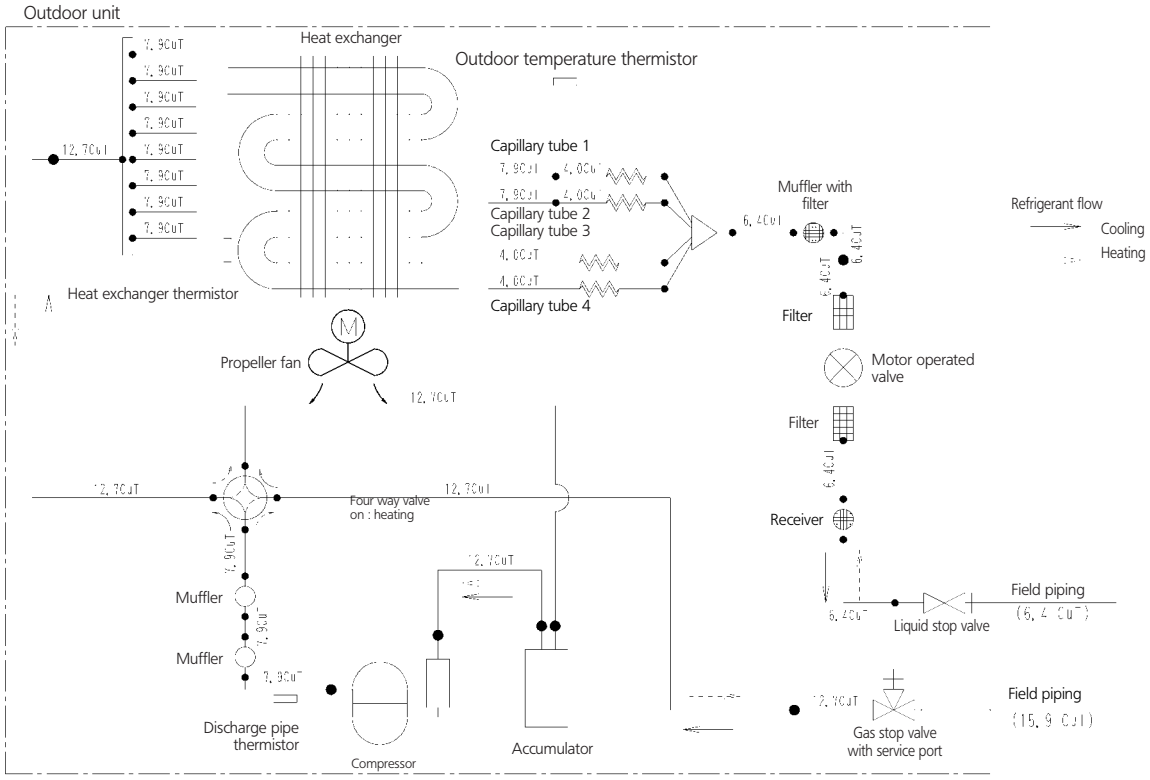
5

RXS71E



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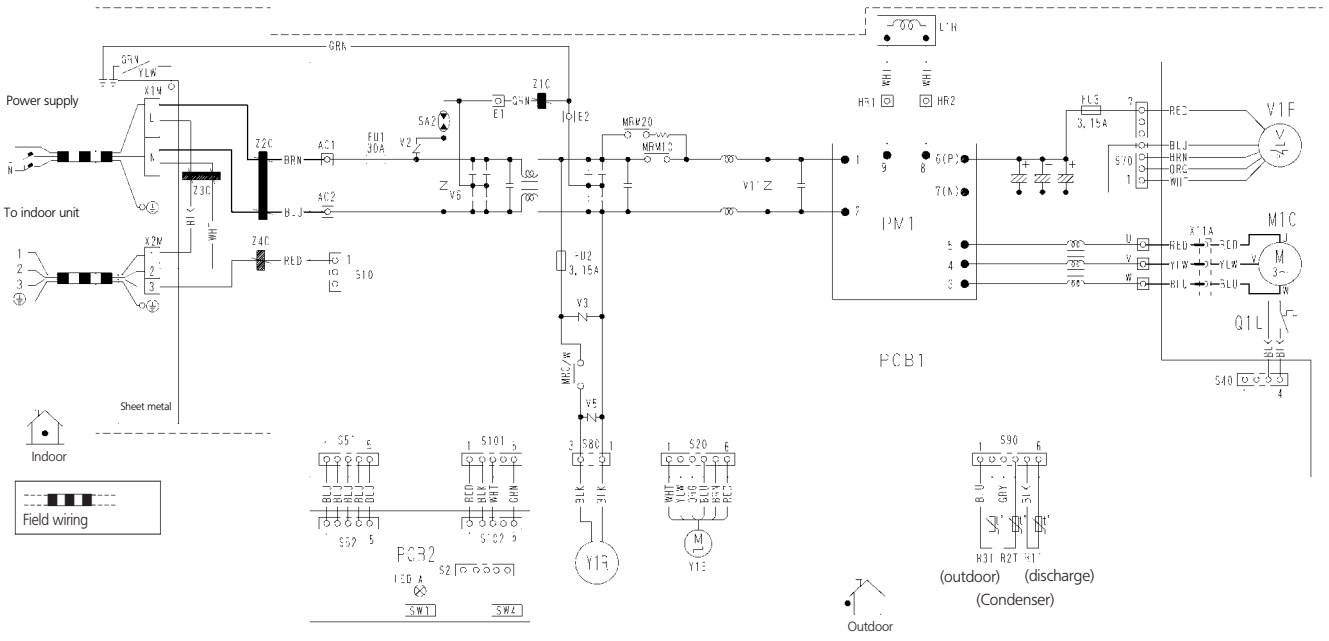
6 Wiring diagram

6 - 1 Wiring diagram

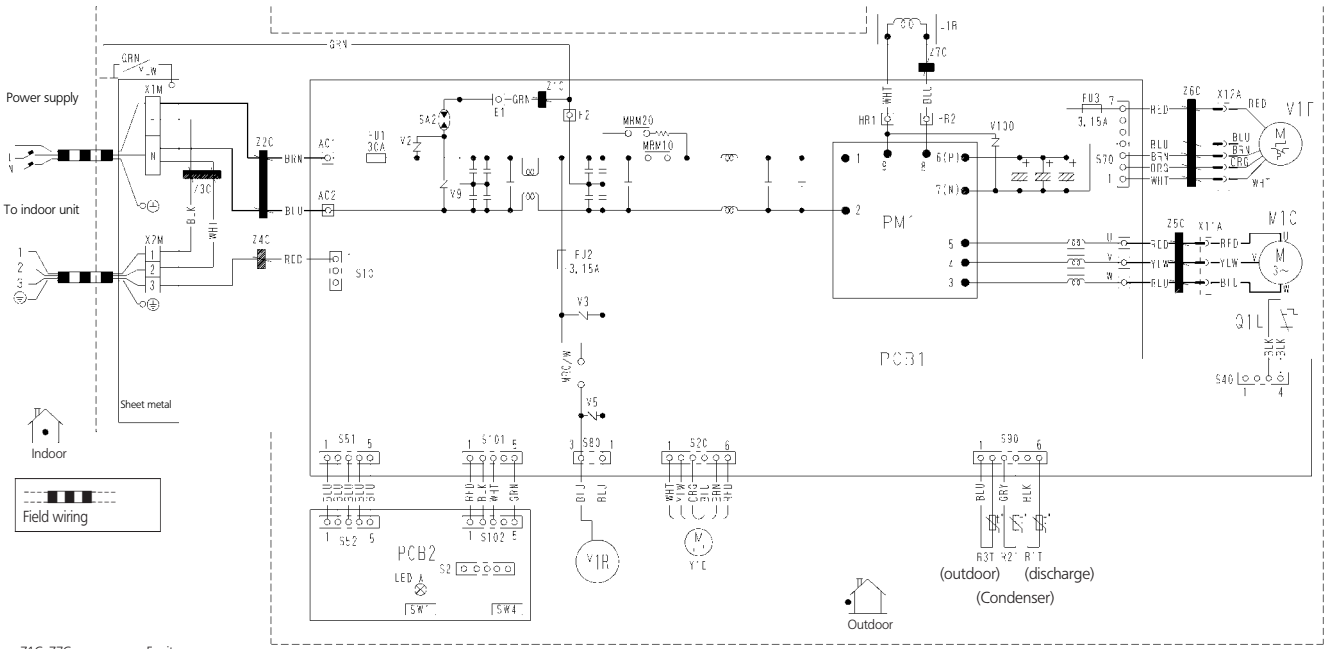
RXS50-60E



Z1C–Z4C	: Ferrite core
X1M, X2M	: Terminal strip
FU1, FU2, FU3:	: Fuse
AC1, AC2	
U, V, W, X11A	
E1, E2	
Y1E	: Electronic expansion valve coil
V2, V3, V5, V6, V11	: Varistor
SA2	: Surge arrester
HR1, HR2	
MRM10, MRM20	: Connector
MRC/W	: Magnetic relay
R1T–R3T	: Thermistor
S2–S102	: Connector
LEDA	: Pilot lamp
L	: Live
N	: Neutral
SW1	: Forced operation on/off switch SW (SW1)
SW4	: Local setting SW (SW4)
M1C	: Compressor motor
M1F	: Fan motor
L1R	: Reactor
Q1L	: Overload protector
PM1	: Power module
PCB1,2	: Printed circuit board
Y1R	: Reversing solenoide valve coil
Sheet metal	: Terminal strip fixed plate

3D050706

RXS71E



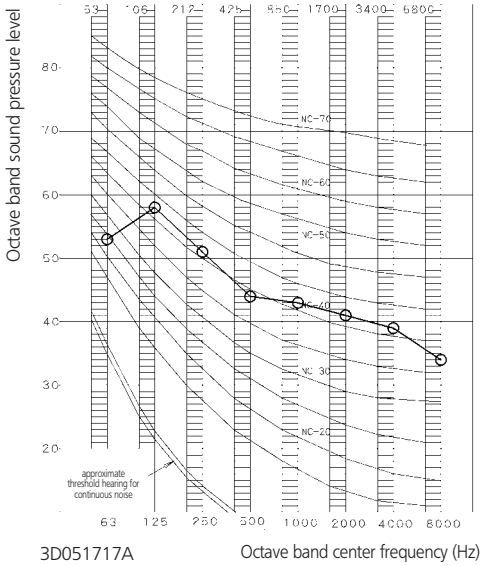
Z1C–Z7C	: Ferrite core
X1M, X2M	: Terminal strip
FU1, FU2, FU3:	: Fuse
AC1, AC2	
U, V, W, X11A, X12A	
E1, E2	
Y1E	: Electronic expansion valve coil
V2, V3, V5, V9, V100	: Varistor
SA2	: Surge arrester
HR1, HR2	
MRM10, MRM20	: Connector
MRC/W	: Magnetic relay
R1T–R3T	: Thermistor
S2–S102	: Connector
LEDA	: Pilot lamp
L	: Live
N	: Neutral
SW1	: Forced operation on/off switch SW (SW1)
SW4	: Local setting SW (SW4)
M1C	: Compressor motor
M1F	: Fan motor
L1R	: Reactor
Q1L	: Overload protector
PM1	: Power module
PCB1,2	: Printed circuit board
Y1R	: Reversing solenoide valve coil
Sheet metal	: Terminal strip fixed plate

3D052296

7 Sound data

7 - 1 Sound pressure spectrum

RXS50E (Cooling)



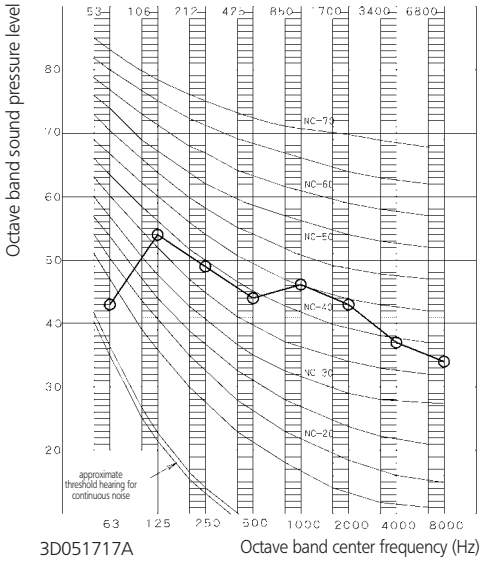
3D051717A

NOTES

1 Measure in anechoic room
2 Operation noise differs with operation and ambient conditions.
3 The operation noise measuring method is in accordance with JISC9612

Legend
50Hz, 220-240V

RXS50E (Heating)



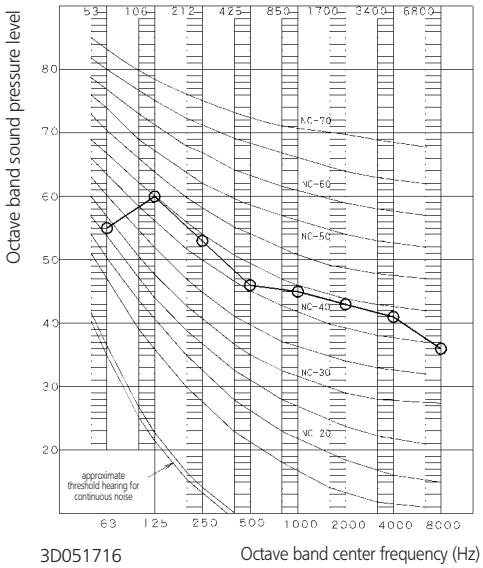
3D051717A

NOTES

1 Measure in anechoic room
2 Operation noise differs with operation and ambient conditions.
3 The operation noise measuring method is in accordance with JISC9612

Legend
50Hz, 220-240V

RXS60E (Cooling)



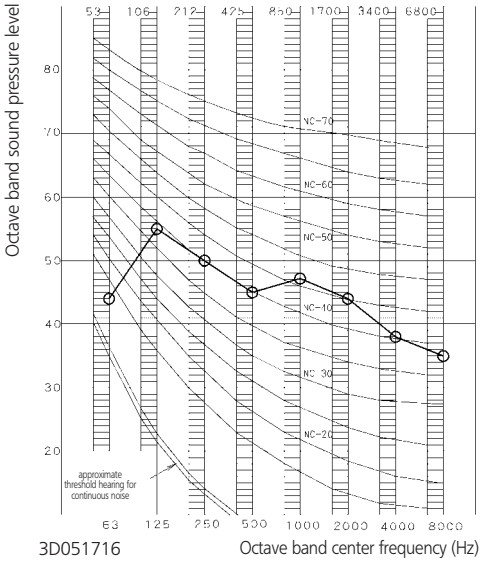
3D051716

NOTES

1 Measure in anechoic room
2 Operation noise differs with operation and ambient conditions.
3 The operation noise measuring method is in accordance with JISC9612

Legend
50Hz, 220-240V

RXS60E (Heating)



3D051716

NOTES

1 Measure in anechoic room
2 Operation noise differs with operation and ambient conditions.
3 The operation noise measuring method is in accordance with JISC9612

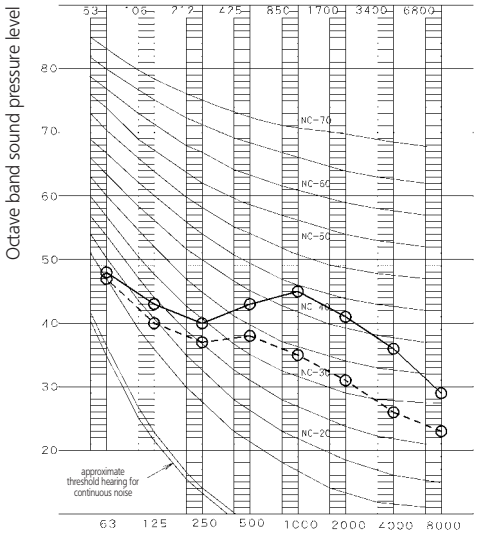
Legend
50Hz, 220-240V

7

7 Sound data

7 - 1 Sound pressure spectrum

RXS71E (Cooling)

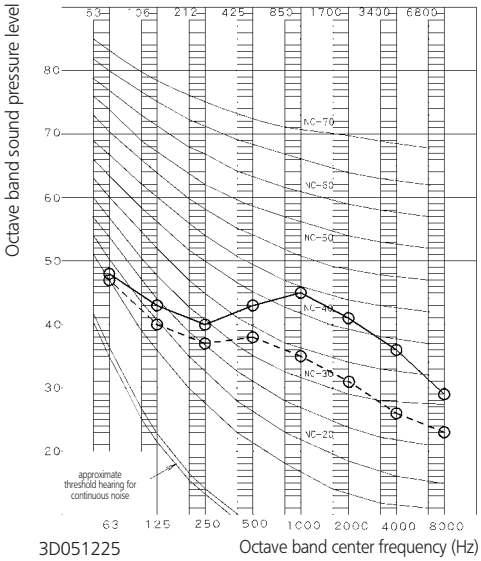


NOTES

1 Measure in anechoic room
2 Operation noise differs with operation and ambient conditions.
3 The operation noise measuring method is in accordance with JISC9612

Legend
50Hz, 220-240V

RXS71E (Heating)



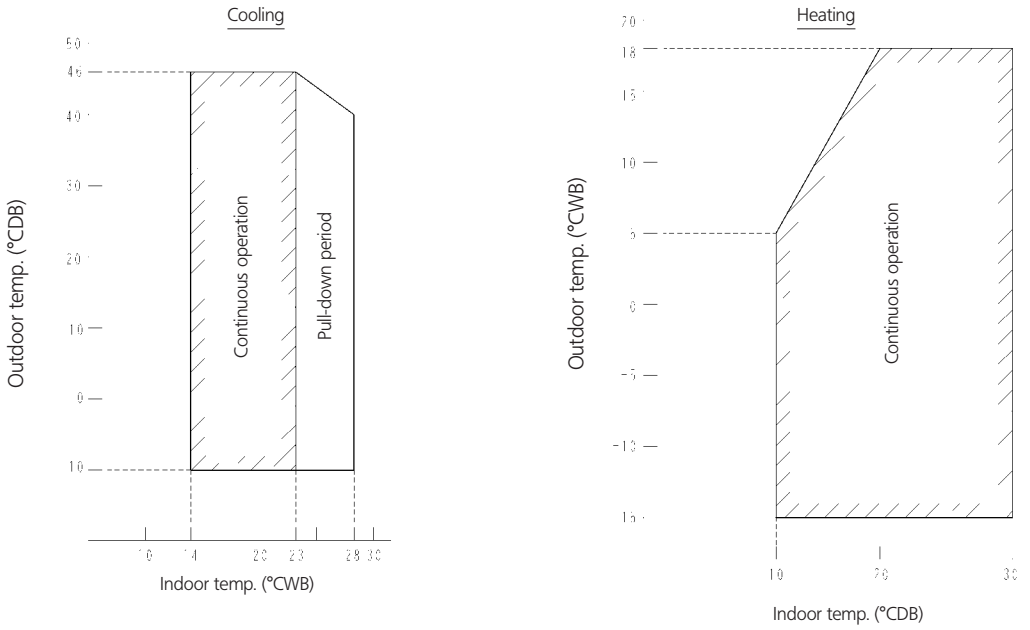
NOTES

1 Measure in anechoic room
2 Operation noise differs with operation and ambient conditions.
3 The operation noise measuring method is in accordance with JISC9612

Legend
50Hz, 220-240V

8 Operation range

RXS-E



Notes:
The graphs are based on the following conditions:

- Equivalent piping length 7.5 m
- Level difference 0 m
- Air flow rate high

3D028318J

8

Split - Sky Air

ISO14001 assures an effective environmental management system in order to help protect human•health•and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the•environment.

Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

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Prepared in Belgium by Lannoo

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