4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS50F + RXS50K

Cooling **50Hz 220-240V**

AFR	10.7
BF	0.13

Indoor		Outdoor temp. (°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	4.53	3.19	1.13	4.53	3.19	1.27	4.53	3.19	1.41	4.53	3.19	1.46	4.42	3.13	1.53	4.19	3.01	1.65
16.0	22	5.35	3.45	1.20	5.12	3.33	1.31	4.89	3.21	1.43	4.79	3.16	1.47	4.65	3.09	1.54	4.42	2.98	1.65
18.0	25	5.58	3.56	1.20	5.35	3.45	1.32	5.12	3.34	1.43	5.02	3.29	1.48	4.88	3.23	1.55	4.65	3.12	1.66
19.0	27	5.70	3.71	1.21	5.47	3.60	1.32	5.23	3.49	1.44	5.14	3.45	1.48	5.00	3.39	1.55	4.77	3.28	1.66
22.0	30	6.04	3.56	1.22	5.81	3.46	1.33	5.58	3.37	1.45	5.49	3.33	1.49	5.35	3.27	1.56	5.11	3.18	1.67
24.0	32	6.27	3.45	1.22	6.04	3.36	1.34	5.81	3.27	1.45	5.72	3.24	1.50	5.58	3.19	1.57	5.34	3.10	1.68

Heating **50Hz 220-240V**

AFR	11.8

Indoor	Outdoor temp. (°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	6.03	1.68
27.0	3.42	1.44	4.08	1.51	4.73	1.57	5.52	1.65	5.64	1.68

3D079452A

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. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5.0m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS25B + RXS25K

Cooling **50Hz 220-240V**

AFR	7.6
BF	0.32

Indoor		Outdoor temp. (°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	2.52	1.77	0.49	2.44	1.73	0.55	2.33	1.67	0.59	2.28	1.65	0.61	2.21	1.61	0.64	2.10	1.55	0.69
16.0	22	2.68	1.76	0.50	2.56	1.71	0.55	2.44	1.65	0.60	2.40	1.63	0.62	2.33	1.59	0.65	2.21	1.54	0.69
18.0	25	2.79	1.83	0.50	2.68	1.78	0.55	2.56	1.72	0.60	2.51	1.70	0.62	2.44	1.67	0.65	2.33	1.62	0.70
19.0	27	2.85	1.91	0.51	2.73	1.86	0.55	2.62	1.81	0.60	2.57	1.79	0.62	2.50	1.76	0.65	2.38	1.71	0.70
22.0	30	3.02	1.84	0.51	2.91	1.79	0.56	2.79	1.75	0.61	2.74	1.73	0.63	2.67	1.70	0.65	2.56	1.66	0.70
24.0	32	3.14	1.79	0.51	3.02	1.74	0.56	2.90	1.70	0.61	2.86	1.68	0.63	2.79	1.66	0.66	2.67	1.62	0.71

Heating **50Hz 220-240V**

AFR	9.2

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.29	0.83	2.67	0.87	3.06	0.91	3.52	0.96	3.82	0.99
20.0	2.17	0.85	2.56	0.89	2.94	0.93	3.40	0.98	3.71	1.01
22.0	2.12	0.86	2.51	0.90	2.89	0.94	3.35	0.99	3.66	1.02
24.0	2.08	0.87	2.46	0.91	2.85	0.95	3.31	1.00	3.61	1.03
25.0	2.05	0.87	2.44	0.91	2.82	0.95	3.28	1.00	3.59	1.03
27.0	2.01	0.88	2.39	0.92	2.77	0.96	3.24	1.01	3.54	1.04

3D055037E

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS35B + RXS35K

Cooling **50Hz 220-240V**

AFR	8.6
BF	0.35

Indoor		Outdoor temp. (°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	2.72	1.92	0.87	2.72	1.92	0.95	2.72	1.92	1.03	2.72	1.92	1.07	2.72	1.92	1.12	2.72	1.92	1.20
16.0	22	3.34	2.14	0.87	3.34	2.14	0.96	3.34	2.14	1.04	3.34	2.14	1.07	3.26	2.10	1.12	3.10	2.01	1.21
18.0	25	3.91	2.42	0.88	3.75	2.34	0.96	3.58	2.26	1.04	3.52	2.22	1.08	3.42	2.17	1.13	3.26	2.09	1.21
19.0	27	3.99	2.51	0.88	3.83	2.43	0.96	3.66	2.34	1.05	3.60	2.31	1.08	3.50	2.27	1.13	3.34	2.19	1.21
22.0	30	4.23	2.40	0.89	4.07	2.33	0.97	3.90	2.26	1.05	3.84	2.23	1.09	3.74	2.19	1.14	3.58	2.12	1.22
24.0	32	4.39	2.32	0.89	4.23	2.26	0.98	4.07	2.19	1.06	4.00	2.16	1.09	3.90	2.13	1.14	3.74	2.06	1.23

Heating **50Hz 220-240V**

AFR	9.8

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.04	3.14	1.09	3.60	1.14	4.14	1.20	4.50	1.24
20.0	2.55	1.07	3.01	1.12	3.46	1.17	4.00	1.23	4.36	1.27
22.0	2.50	1.08	2.95	1.13	3.40	1.18	3.94	1.24	4.31	1.28
24.0	2.44	1.09	2.90	1.14	3.35	1.19	3.89	1.25	4.25	1.29
25.0	2.42	1.10	2.87	1.15	3.32	1.20	3.86	1.26	4.18	1.30
27.0	2.36	1.11	2.81	1.16	3.26	1.21	3.81	1.27	3.91	1.30

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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 heat capacity	(kW)
PI:	Power input	(kW)

NOTES

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS50B + RXS50K

Cooling **50Hz 220-240V**

AFR	11.4
BF	0.18

4

Indoor		Outdoor temp. (°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	4.96	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 temp. (°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

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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 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 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 the following conditions:
   Corresponding refrigerant piping length: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS25F + RXS25K

Cooling **50Hz 230V**

AFR	8.7
BF	0.17

Indoor		Outdoor temp. (°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	2.46	1.94	0.53	2.35	1.89	0.58	2.24	1.83	0.63	2.19	1.81	0.65	2.12	1.78	0.68	2.01	1.73	0.73
16.0	22	2.57	1.91	0.53	2.46	1.86	0.58	2.35	1.81	0.63	2.30	1.79	0.65	2.23	1.76	0.69	2.12	1.71	0.74
18.0	25	2.68	2.01	0.54	2.57	1.97	0.59	2.46	1.92	0.64	2.41	1.90	0.66	2.34	1.88	0.69	2.23	1.83	0.74
19.0	27	2.74	2.14	0.54	2.62	2.10	0.59	2.51	2.05	0.64	2.47	2.03	0.66	2.40	2.01	0.69	2.29	1.96	0.74
22.0	30	2.90	2.07	0.54	2.79	2.03	0.59	2.68	1.99	0.64	2.63	1.98	0.66	2.57	1.95	0.69	2.45	1.91	0.75
24.0	32	3.01	2.02	0.54	2.90	1.99	0.60	2.79	1.95	0.65	2.74	1.94	0.67	2.68	1.91	0.70	2.56	1.88	0.75

Heating **50Hz 230V**

AFR	8.7

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.15	0.77	2.52	0.81	2.88	0.84	3.31	0.89	3.60	0.92
20.0	2.04	0.79	2.41	0.83	2.77	0.87	3.20	0.91	3.49	0.94
22.0	2.00	0.80	2.36	0.84	2.72	0.87	3.16	0.92	3.44	0.95
24.0	1.96	0.81	2.32	0.84	2.68	0.88	3.11	0.93	3.40	0.96
25.0	1.93	0.81	2.29	0.85	2.66	0.89	3.09	0.93	3.38	0.96
27.0	1.89	0.82	2.25	0.86	2.61	0.89	3.05	0.94	3.33	0.97

3D081498

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 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 the following conditions:
   Corresponding refrigerant piping length: 7.5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS35F + RXS35K

Cooling **50Hz 230V**

AFR	8.7
BF	0.17

4

Indoor		Outdoor temp. (°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	3.48	2.46	0.84	3.33	2.38	0.92	3.17	2.30	1.00	3.10	2.26	1.03	3.01	2.21	1.08	2.85	2.13	1.16
16.0	22	3.64	2.42	0.84	3.48	2.34	0.92	3.32	2.26	1.00	3.26	2.23	1.03	3.17	2.19	1.08	3.01	2.11	1.16
18.0	25	3.80	2.51	0.85	3.64	2.44	0.93	3.48	2.37	1.01	3.42	2.34	1.04	3.32	2.30	1.09	3.16	2.23	1.17
19.0	27	3.87	2.63	0.85	3.72	2.56	0.93	3.56	2.49	1.01	3.49	2.46	1.04	3.40	2.42	1.09	3.24	2.35	1.17
22.0	30	4.11	2.53	0.86	3.95	2.47	0.94	3.79	2.40	1.02	3.73	2.38	1.05	3.63	2.34	1.10	3.48	2.28	1.18
24.0	32	4.27	2.46	0.86	4.11	2.40	0.94	3.95	2.34	1.02	3.89	2.32	1.05	3.79	2.29	1.10	3.63	2.23	1.18

Heating **50Hz 230V**

AFR	8.7

Indoor	Outdoor temp. (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.00	3.14	1.05	3.60	1.10	4.14	1.15	4.50	1.19
20.0	2.55	1.02	3.01	1.07	3.46	1.12	4.00	1.18	4.36	1.22
22.0	2.50	1.04	2.95	1.08	3.40	1.13	3.94	1.19	4.31	1.23
24.0	2.44	1.05	2.90	1.09	3.35	1.14	3.89	1.20	4.25	1.24
25.0	2.42	1.05	2.87	1.10	3.32	1.15	3.86	1.21	4.22	1.25
27.0	2.36	1.06	2.81	1.11	3.26	1.16	3.81	1.22	4.17	1.26

3D081325

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 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 the following conditions:
   Corresponding refrigerant piping length: 7.5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS50F + RXS50K

Cooling **50Hz 220-240V**

AFR	12.0
BF	0.11

Indoor		Outdoor temp. (°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	3.92	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 temp. (°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

3D081324

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 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 the following conditions:
   Corresponding refrigerant piping length: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ35C + RXS35K

Cooling **220-240V 50Hz**

AFR	14
BF	0.17

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	3.48	2.76	0.73	3.33	2.69	0.80	3.17	2.61	0.87	3.10	2.58	0.90	3.01	2.54	0.94	2.85	2.47	1.01
16.0	22	3.64	2.72	0.73	3.48	2.65	0.81	3.32	2.58	0.88	3.26	2.55	0.90	3.17	2.51	0.94	3.01	2.44	1.01
18.0	25	3.80	2.87	0.73	3.64	2.81	0.81	3.48	2.74	0.88	3.42	2.72	0.90	3.32	2.68	0.95	3.16	2.61	1.02
19.0	27	3.87	3.05	0.74	3.72	2.99	0.81	3.56	2.93	0.88	3.49	2.90	0.90	3.40	2.87	**0.95**	3.24	2.80	1.02
22.0	30	4.11	2.95	0.74	3.95	2.90	0.81	3.79	2.84	0.89	3.73	2.82	0.91	3.63	2.79	0.96	3.48	2.73	1.02
24.0	32	4.27	2.88	0.75	4.11	2.83	0.82	3.95	2.78	0.89	3.89	2.76	0.11	3.79	2.73	0.96	3.63	2.68	1.03

Heating **220-240V 50Hz**

AFR	14

Indoor	Outdoor temperature (°CDB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	0.86	3.14	0.89	3.60	0.94	4.14	0.98	4.50	1.02
20.0	2.55	0.87	3.01	0.92	3.46	0.96	4.00	**1.01**	4.36	1.05
22.0	2.50	0.88	2.95	0.93	3.40	0.97	3.94	1.02	4.31	1.06
24.0	2.44	0.89	2.90	0.94	3.35	0.98	3.89	1.03	4.25	1.06
25.0	2.42	0.90	2.87	0.94	3.32	0.98	3.86	1.04	4.22	1.06
27.0	2.36	0.91	2.81	0.95	3.26	0.99	3.81	1.05	4.17	1.07

3D080354

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ50C + RXS50K

Cooling **220-240V 50Hz**

AFR	15
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	5.06	3.63	1.27	4.91	3.56	1.36	4.76	3.49	1.43	4.70	3.46	1.47	4.61	3.42	1.52	4.46	3.35	1.60
16.0	22	5.22	3.66	1.30	5.07	3.59	1.37	4.92	3.52	1.46	4.86	3.49	1.48	4.77	3.45	1.54	4.62	3.38	1.62
18.0	25	5.37	3.69	1.31	5.22	3.62	1.40	5.07	3.55	1.48	5.01	3.53	1.51	4.92	3.48	1.56	4.77	3.41	1.64
19.0	27	5.45	3.71	1.33	5.30	3.64	1.41	5.15	3.57	1.49	5.09	3.54	1.52	5.00	3.50	**1.57**	4.85	3.43	1.66
22.0	30	5.68	3.76	1.36	5.53	3.69	1.44	5.38	3.62	1.52	5.32	3.59	1.55	5.23	3.55	1.60	5.08	3.48	1.68
24.0	32	5.84	3.80	1.38	5.69	3.73	1.47	5.54	3.66	1.54	5.48	3.63	1.58	5.39	3.59	1.63	5.24	3.52	1.71

Heating **220-240V 50Hz**

AFR	15

Indoor	Outdoor temperature (°CDB)											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.01	1.28	3.74	1.28	4.46	1.37	5.19	1.55	6.06	1.66	6.64	1.73
18.0	2.98	1.35	3.71	1.35	4.43	1.44	5.16	1.62	6.03	1.73	6.61	1.80
20.0	2.95	1.41	3.68	1.41	4.40	1.50	5.13	1.69	6.00	**1.79**	6.58	1.86
21.0	2.94	1.45	3.66	1.45	4.39	1.54	5.11	1.71	5.99	1.82	6.57	1.89
22.0	2.92	1.48	3.65	1.48	4.37	1.57	5.10	1.75	5.97	1.85	6.55	1.93
24.0	2.89	1.55	3.62	1.55	4.34	1.63	5.07	1.81	5.94	1.92	6.52	1.99

3D080355

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ25B9V+ RXS25K

Cooling **50Hz 220-240V**

AFR	9
BF	0.24

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	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

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
(°C)	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

3D055487D

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ35B9V + RXS35K

Cooling **50Hz 220-240V**

AFR	10
BF	0.25

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	3.48	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

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	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

3D055489C

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ50B9V + RXS50K

Cooling **50Hz 230V**

AFR	12.0
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	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	-15		-10		-5		0		6		10	
(°C)	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

3D060463B

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 not be used for calculation.)
4. SHC is based on each EWB and EDB.
   SHC* = SHC correction for other dry bulb.
   = 0.02*AFR(m3/min.)*(1-BF)*(DB*-EDB)
   Add SHC* to SHC.
5. Capacities are based on following conditions:
   Corresponding refrigerant piping length: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG35F + RXS35K

Cooling **220-240V 50Hz**

AFR	12.5
BF	0.40

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	3,48	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 **220-240V 50Hz**

AFR	12.5

Indoor	outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	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

3D077470A

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. ☐ shows nominal (rated) capacities and power input.
2. 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.)
3. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5.0m
   (2) Level difference: 0m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCQG50F + RXS50K

Cooling **220-240V 50Hz**

AFR	12.6
BF	0.22

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	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 **220-240V 50Hz**

AFR	12.5

Indoor	outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	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

3D077499A

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. ☐ shows nominal (rated) capacities and power input.
2. Capacities are based on the following conditions:
   (1) Corresponding refrigerant piping length: 5.0m
   (2) Level difference: 0m

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ35C8+RXS35K

Cooling **50Hz 220-240V**

AFR	16
BF	0.15

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	3.48	3.12	0.81	3.33	3.04	0.89	3.17	2.97	0.97	3.10	2.94	1.00	3.01	2.90	1.04	2.85	2.83	1.12
16.0	22	3.64	3.07	0.81	3.48	3.00	0.89	3.32	2.93	0.97	3.26	2.91	1.00	3.17	2.87	1.05	3.01	2.80	1.13
18.0	25	3.80	3.29	0.82	3.64	3.22	0.90	3.48	3.16	0.98	3.42	3.14	1.01	3.32	3.10	1.05	3.16	3.04	1.13
19.0	27	3.87	3.53	0.82	3.72	3.47	0.90	3.56	3.41	0.98	3.49	3.39	1.01	3.40	3.35	1.06	3.24	3.30	1.13
22.0	30	4.11	3.43	0.83	3.95	3.38	0.91	3.79	3.33	0.98	3.73	3.31	1.02	3.63	3.28	1.06	3.48	3.22	1.14
24.0	32	4.27	3.37	0.83	4.11	3.32	0.91	3.95	3.27	0.99	3.89	3.25	1.02	3.79	3.22	1.07	3.63	3.18	1.15

Heating **50Hz 220-240V**

AFR	16

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	0.96	3.14	1.01	3.60	1.05	4.14	1.11	4.50	1.15
20.0	2.55	0.99	3.01	1.03	3.46	1.08	4.00	1.14	4.36	1.17
22.0	2.50	1.00	2.95	1.04	3.40	1.09	3.94	1.15	4.31	1.18
24.0	2.44	1.01	2.90	1.05	3.35	1.10	3.89	1.16	4.25	1.19
25.0	2.42	1.01	2.87	1.06	3.32	1.11	3.86	1.16	4.22	1.20
27.0	2.36	1.02	2.81	1.07	3.26	1.12	3.81	1.17	4.17	1.21

3TW31272-3C

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ50C8+RXS50K

Cooling **50Hz 220-240V**

AFR	16
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	5.12	3.88	1.27	4.89	3.76	1.39	4.66	3.65	1.51	4.56	3.60	1.56	4.42	3.54	1.63	4.19	3.43	1.75
16.0	22	5.35	3.81	1.27	5.12	3.70	1.40	4.89	3.60	1.52	4.79	3.55	1.57	4.65	3.49	1.64	4.42	3.39	1.76
18.0	25	5.58	4.00	1.28	5.35	3.90	1.40	5.12	3.80	1.52	5.02	3.76	1.57	4.88	3.71	1.65	4.65	3.61	1.77
19.0	27	5.70	4.23	1.28	5.47	4.13	1.41	5.23	4.04	1.53	5.14	4.00	1.58	5.00	3.95	1.65	4.77	3.85	1.77
22.0	30	6.04	4.08	1.30	5.81	4.00	1.42	5.58	3.92	1.54	5.49	3.88	1.59	5.35	3.83	1.66	5.11	3.75	1.78
24.0	32	6.27	3.98	1.30	6.04	3.90	1.42	5.81	3.83	1.55	5.72	3.80	1.60	5.58	3.75	1.67	5.34	3.68	1.79

Heating **50Hz 220-240V**

AFR	16

Indoor	Outdoor temperature (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.70	1.36	4.32	1.43	4.94	1.50	5.69	1.58	6.19	1.63
20.0	3.51	1.40	4.13	1.47	4.75	1.53	5.50	1.61	6.00	1.67
22.0	3.44	1.41	4.06	1.48	4.68	1.55	5.42	1.63	5.92	1.68
24.0	3.36	1.43	3.98	1.50	4.60	1.56	5.35	1.64	5.84	1.70
25.0	3.32	1.44	3.94	1.50	4.56	1.57	5.31	1.65	5.81	1.70
27.0	3.25	1.45	3.87	1.52	4.49	1.58	5.23	1.66	5.73	1.72

3TW31282-3B

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)

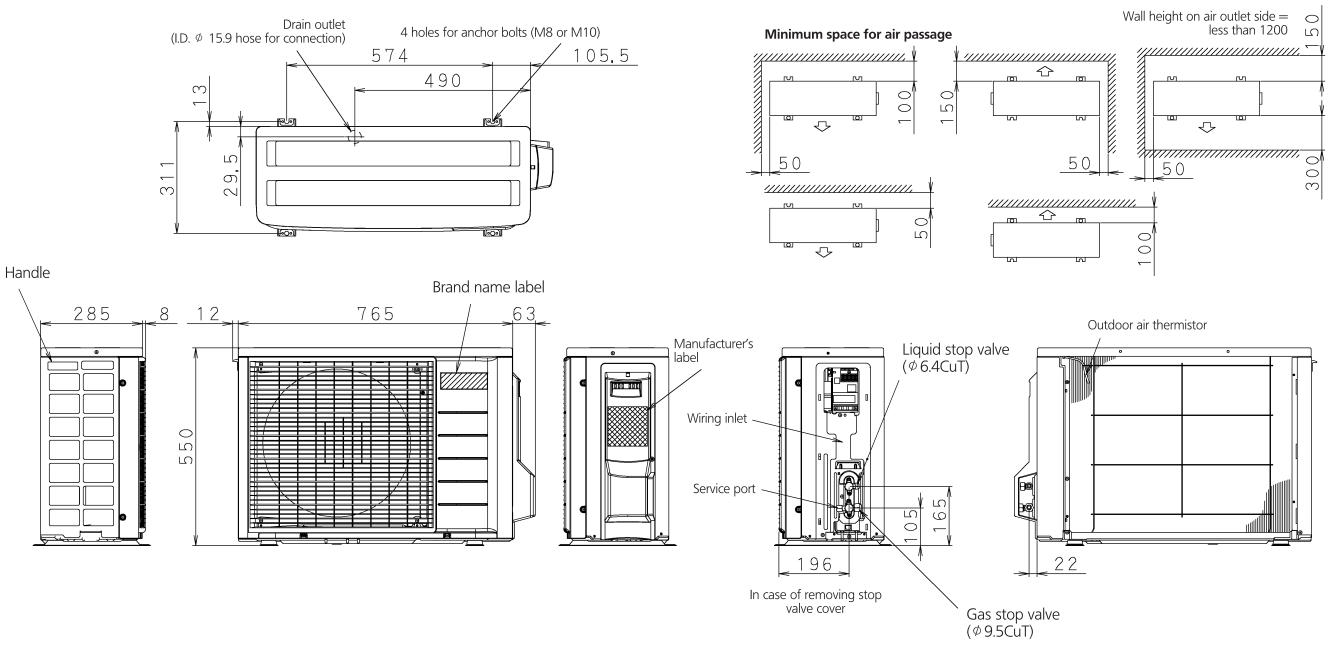
NOTES

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

5 Dimensional drawings

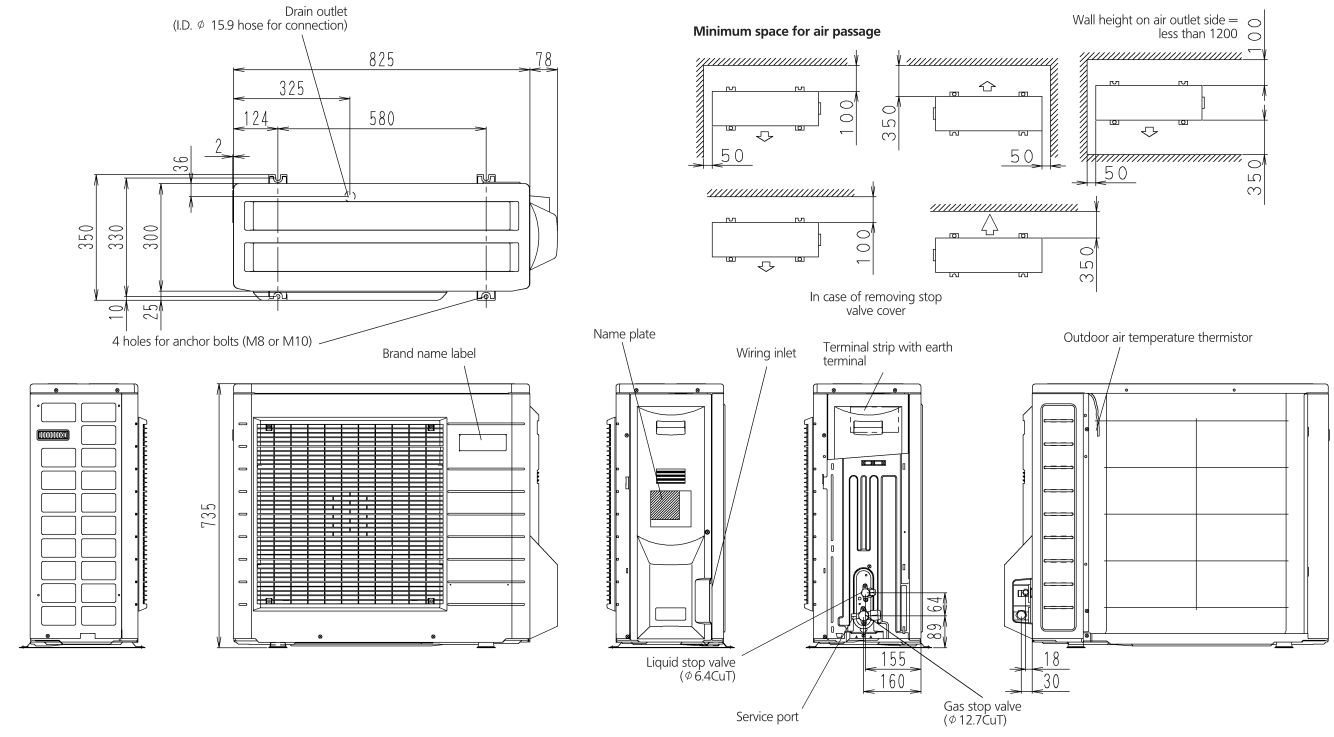
5 - 1 Dimensional Drawings

RXS20-42K



3D055546G

RXS50K

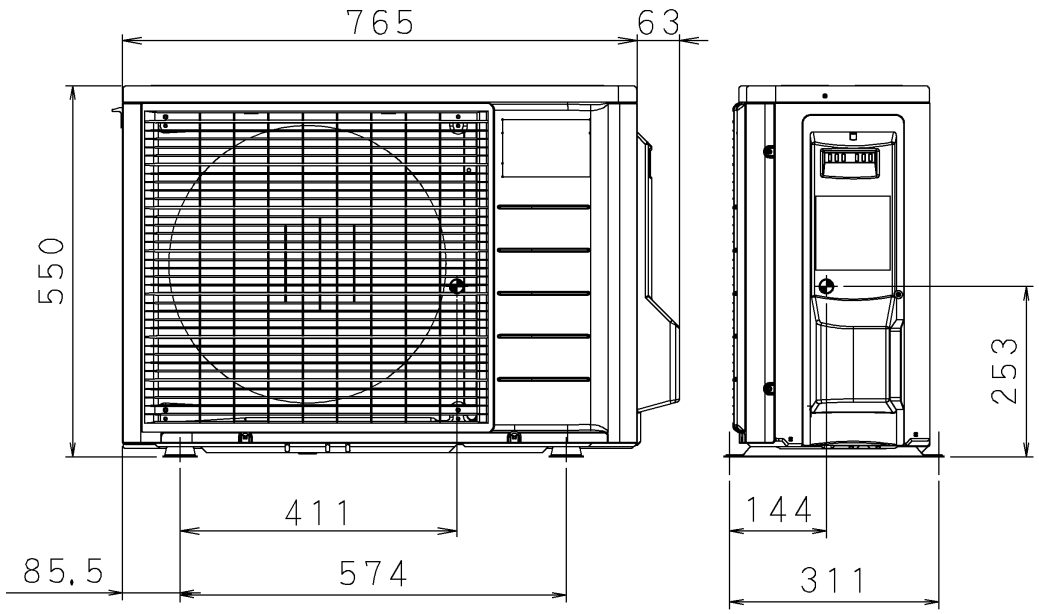


3D051657S

6 Centre of gravity

6 - 1 Centre of Gravity

RXS20-35K



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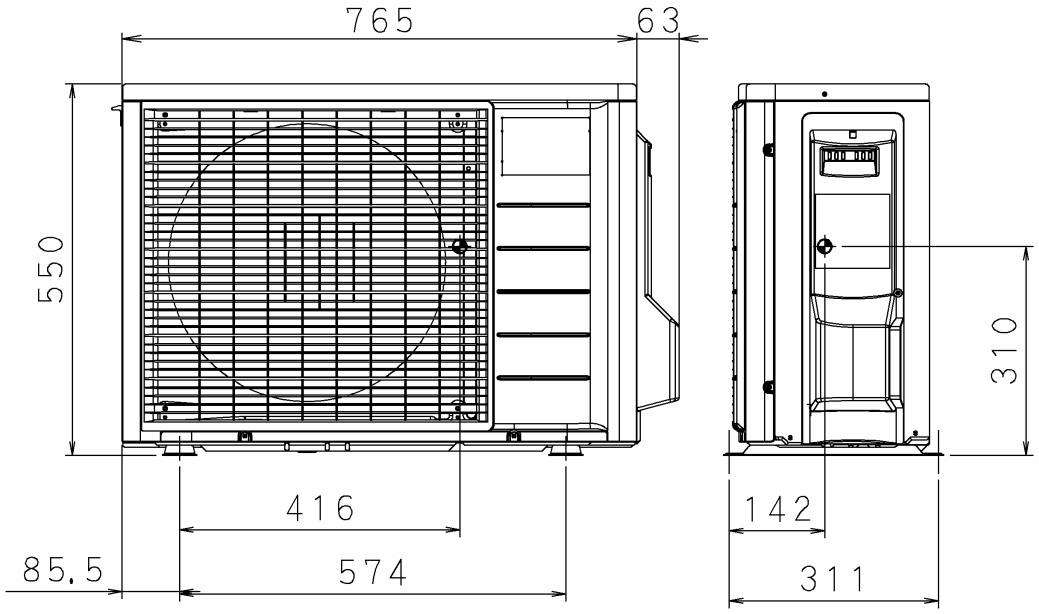
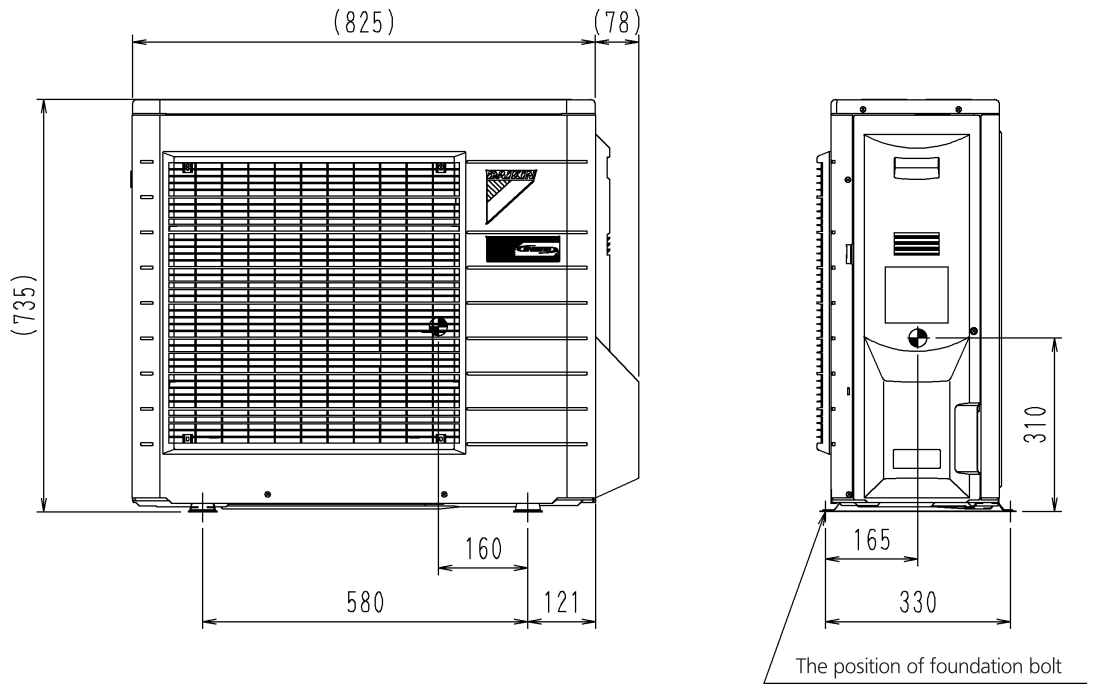


4D059009K

6 Centre of gravity

6 - 1 Centre of Gravity

RXS50K

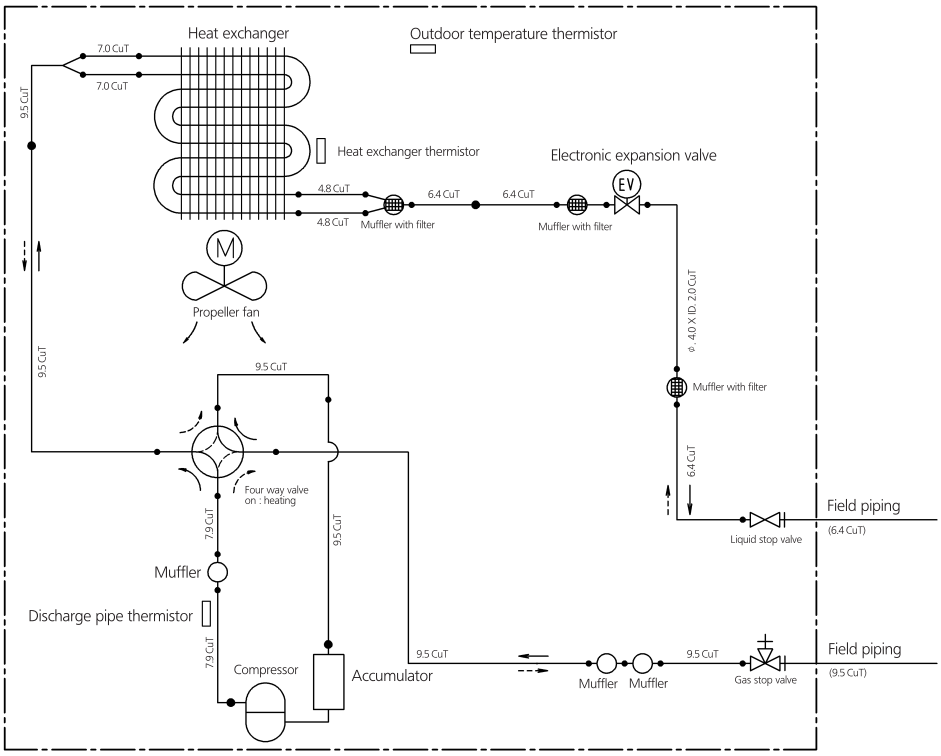


4D080604

7 Piping diagrams

7 - 1 Piping Diagrams

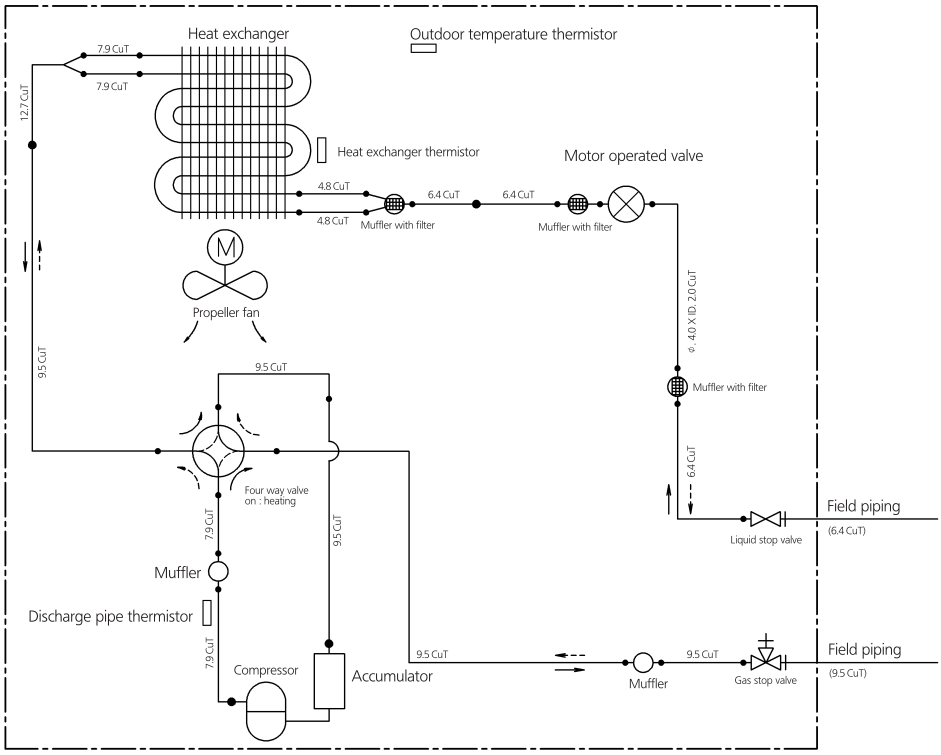
RXS20-35K



Refrigerant flow
Cooling
Heating

3D059586Q

RXS42K



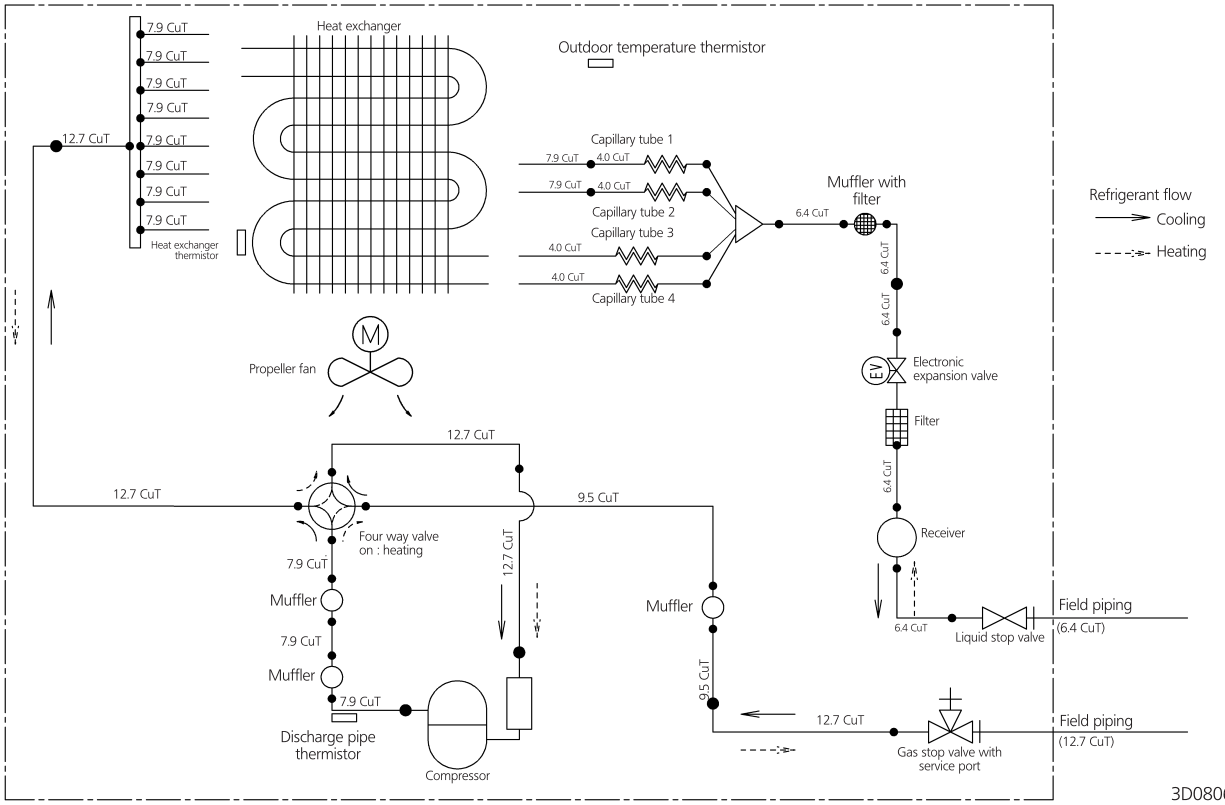
Refrigerant flow
Cooling
Heating

3D059590D

7 Piping diagrams

7 - 1 Piping Diagrams

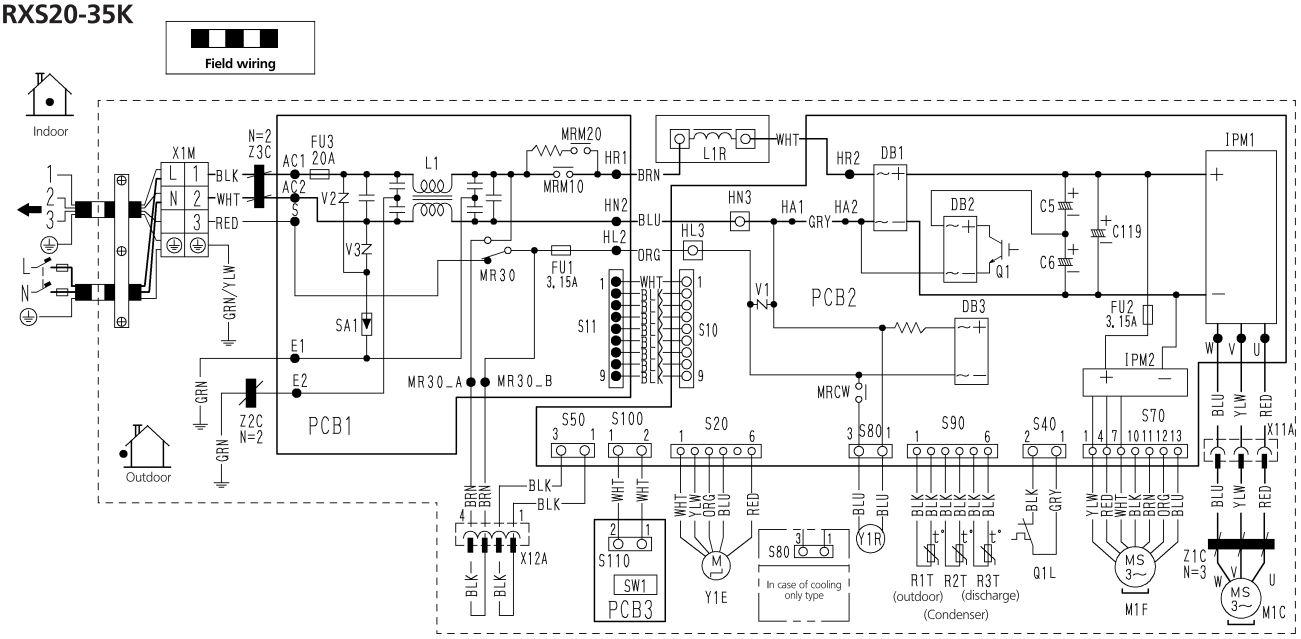
RXS50K



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS20-35K

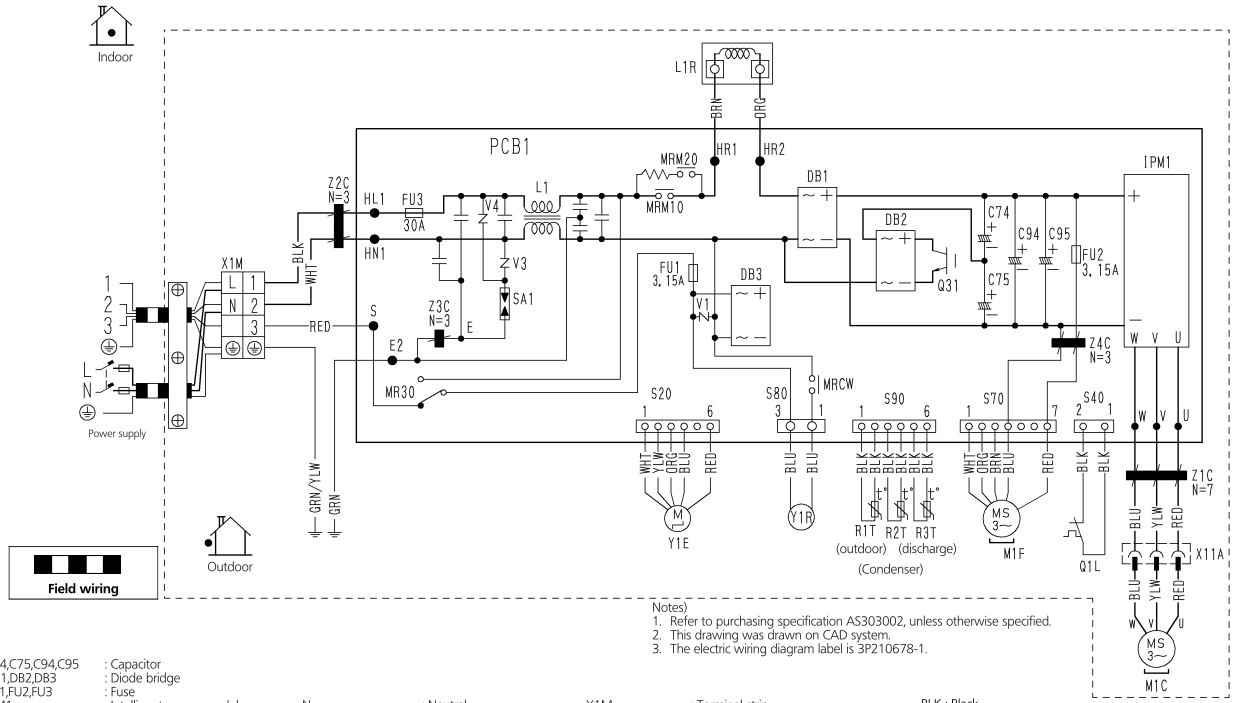


Notes)
1. Size: Length 105 X Width 185.
2. Refer to purchasing specification AS(Y)303002, unless otherwise specified.
3. This drawing was drawn on CAD system.
4. Refer to the nameplate for the power requirements.

C5,C6,C119	: Capacitor				
DB1,DB2,DB3	: Diode bridge				
FU1,FU2,FU3	: Fuse				
IPM1,IPM2	: Intelligent power module	N	: Neutral	SA1	: Surge arrester
L	: Live	Q1L	: Overload protector	SW1	: Forced operation switch
L1	: Coil	PCB1,PCB2,PCB3	: Printed circuit board	V1,V2,V3	: Varistor
L1R	: Reactor	S10,S11,S20,S40		X1M	: Terminal strip
M1C	: Compressor motor	S50,S70,S80,S90		Y1E	: Electronic expansion valve coil
M1F	: Fan motor	S100,S110,HL3		Y1R	: Reversing solenoide valve coil
MRCW,MR30,		HN3,X11A,X12A	: Connector	Z1C,Z2C,Z3C	: Ferrite core
MRM10,MRM20	: Magnetic relay	R1T,R2T,R3T	: Thermistor	⏚	: Protective earth

3D065704E

RXS42K



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.

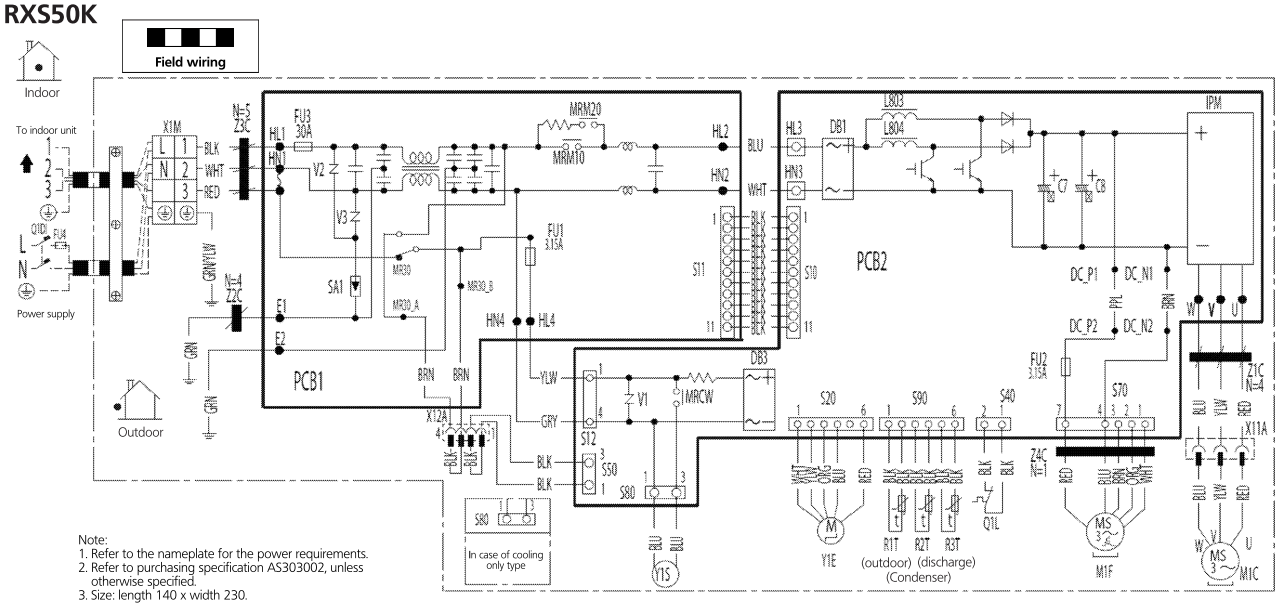
C74,C75,C94,C95	: Capacitor						
DB1,DB2,DB3	: Diode bridge						
FU1,FU2,FU3	: Fuse						
IPM1	: Intelligent power module	N	: Neutral	X1M	: Terminal strip	BLK : Black	
L	: Live	PCB1	: Printed circuit board	Y1E	: Electronic expansion valve coil	BLU : Blue	
L1	: Coil	Q1L	: Overload protector	Y1R	: Reversing solenoide valve coil	BRN : Brown	
L1R	: Reactor	R1T–R3T	: Thermistor	Z1C,Z2C,Z3C,Z4C	: Ferrite core	GRN : Green	
M1C	: Compressor motor	SA1	: Surge arrester	⏚	: Protective earth	ORG : Orange	
M1F	: Fan motor	Q31	: IGBT	S20,S40,S70		RED : Red	
MRCW,MRM10,		V1,V3,V4	: Varistor	,S80,S90,X11A	: Connector	WHT : White	
MRM20,MR30	: Magnetic relay					YLW : Yellow	

3D059601B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS50K



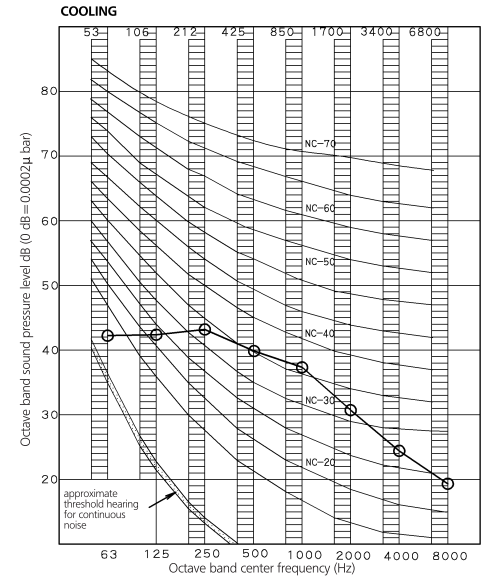
C7,C8	: Capacitor	N	: Neutral	V1,V2,V3	: Varistor
DB1,DB3	: Diode bridge	Q1L	: Overload protector	X1M	: Terminal strip
FU1,FU2,FU3	: Fuse	Q1DI	: Earth leak detector	Y1E	: Electronic expansion valve coil
FU4	: Field fuse	PCB1,PCB2	: Printed circuit board	Y1S	: Reversing solenoide valve coil
IPM	: Intelligent power module	S10,S11,S12,S20		Z1C,Z2C,Z3C,Z4C	: Ferrite core
L	: Live	S40,S50,S70,S80,S90		⏚	: Protective earth
L803,L804	: Reactor	HL3,HN3,X11A,X12A	: Connector	⏚	: Earth
M1C	: Compressor motor	R1T,R2T,R3T	: Thermistor		
M1F	: Fan motor	SA1	: Surge absorber		
MRCW,MRM10, MRM20,MR30, MR30_A,MR30_B	: Magnetic relay				

3D079016

9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

RXS20-25K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	46

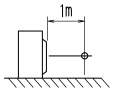
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

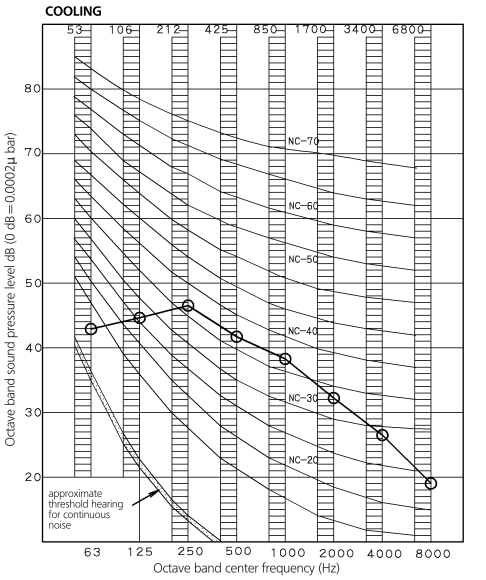
4 Operating conditions: Power source 220~240V 50Hz
○—○
Cooling

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



3D059599G

RXS35K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

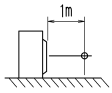
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

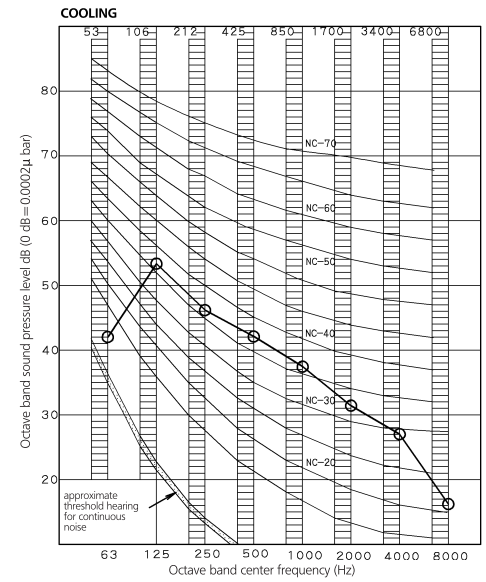
4 Operating conditions: Power source 220~240V 50Hz
○—○
Cooling

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



3D059593G

RXS42K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

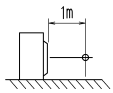
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

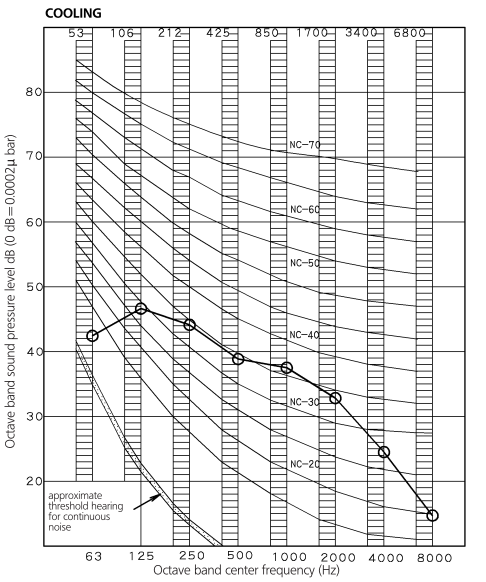
4 Operating conditions: Power source 220~240V 50Hz
○—○
Cooling

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



3D059597D

RXS50K



NOTES

1 Overall (dB)

Scale	50Hz 220–240V (H)
A	48

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220~240V 50Hz
○—○
Cooling

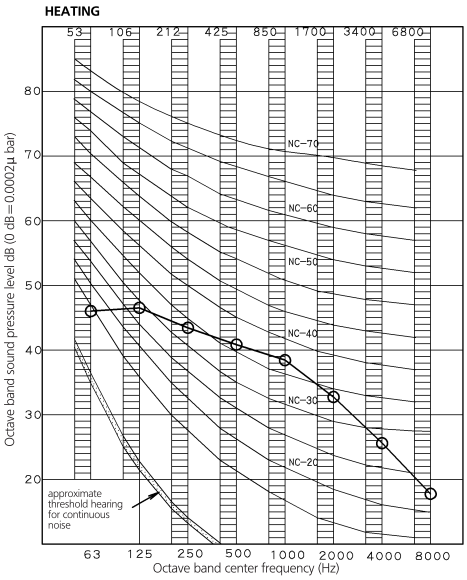
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

3D059740F

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

RXS20-25K



NOTES

1 Overall (dB)

Scale	50Hz 220~240V (H)
A	47

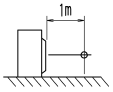
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

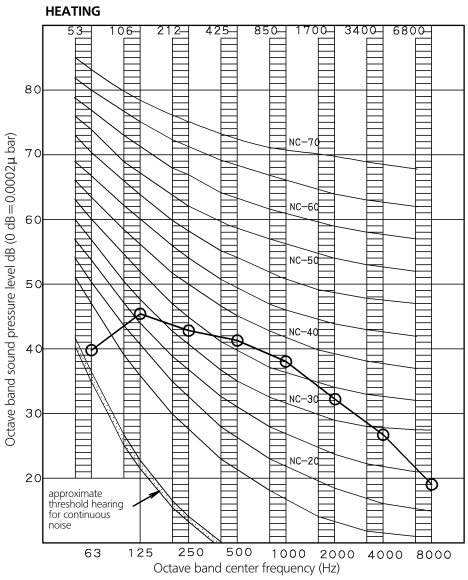
4 Operating conditions: Power source 220~240V 50Hz
○—○
Heating

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



3D059599G

RXS35K



NOTES

1 Overall (dB)

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

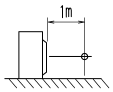
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

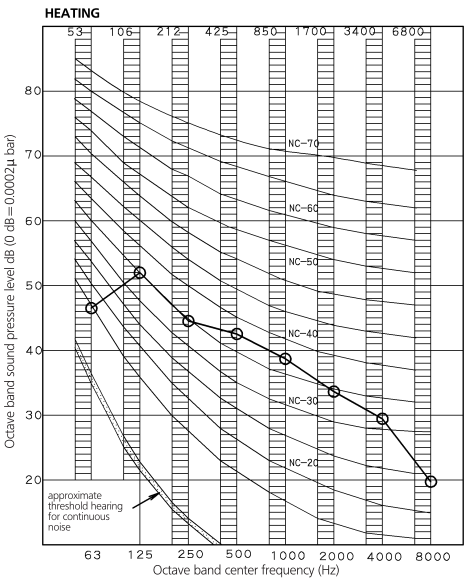
4 Operating conditions: Power source 220~240V 50Hz
○—○
Heating

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



3D059593G

RXS42K



NOTES

1 Overall (dB)

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

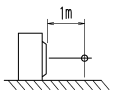
(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

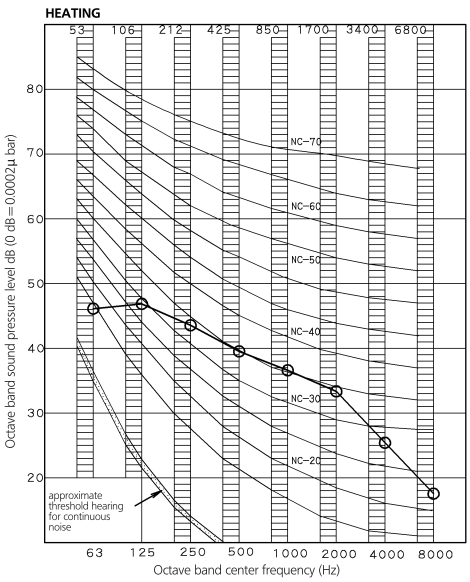
4 Operating conditions: Power source 220~240V 50Hz
○—○
Heating

5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



3D059597D

RXS50K



NOTES

1 Overall (dB)

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

(B,G,N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220~240V 50Hz
○—○
Heating

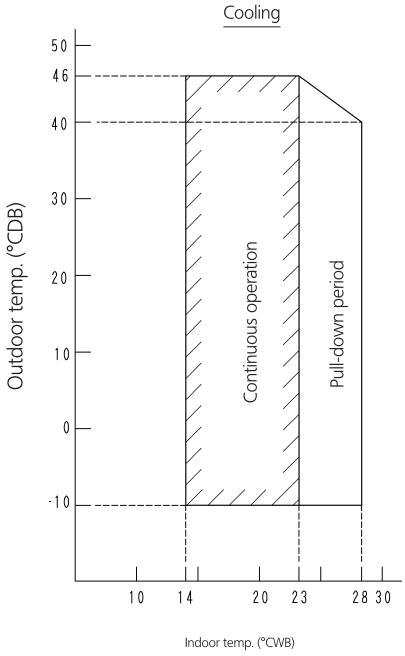
5 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

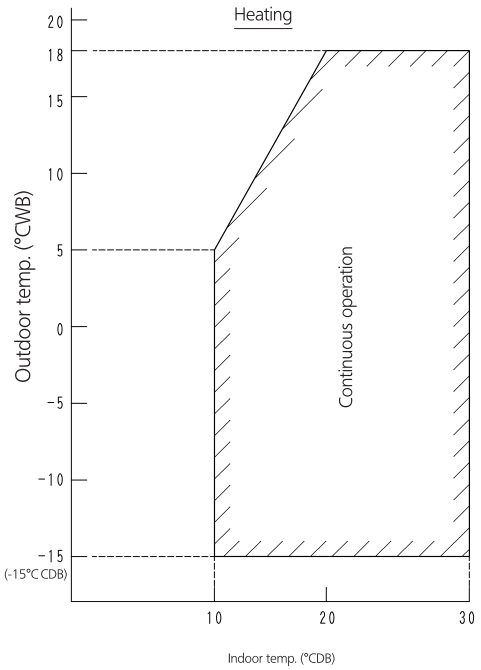
3D059740F

10 Operation range

10 - 1 Operation Range

RXS-K





Notes:
The graphs are based on the following conditions:
- Equivalent piping length 5.0 m
- Level difference 0 m
- Air flow rate high

3D028318T

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.

These products are not within the scope of the Eurovent certification program

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