



technical data



RYN-C/RYS-B

Pair Application

air conditioning systems

Split Sky Air

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.

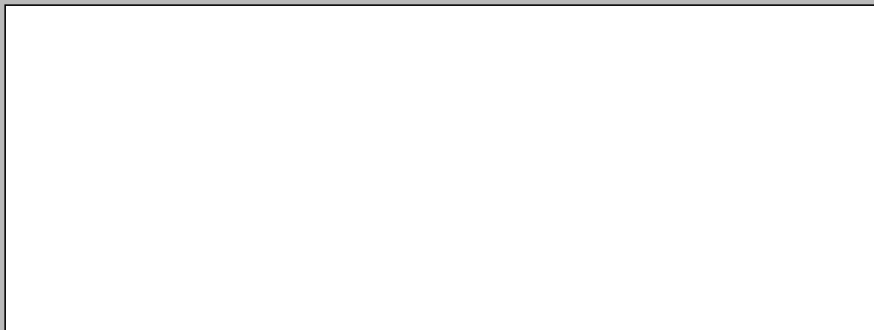


Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory.

Specifications are subject to change without prior notice.

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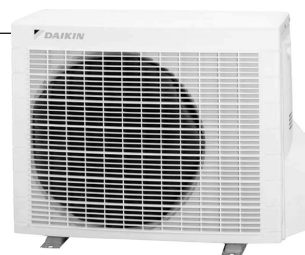


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1 Features



1 Outdoor units for pair application

- Daikin outdoor units can be mounted easily on a roof or terrace or simply placed against an outside wall. They are fitted with a swing compressor, renowned for its low noise and high energy efficiency.



2 Specifications



2

TECHNICAL SPECIFICATIONS				RYN20CVMB	RYN25CVMB	RYN35CVMB	RYS50BVMB	RYS60BVMB
OUTDOOR UNITS								
DIMENSIONS	Unit	H	mm	560			735	
		W	mm	695			825	
		D	mm	265			300	
WEIGHT	Unit		kg	31			49	53
COLOUR	Unit	Ivory white						
SOUND LEVEL	Sound pressure (1)	(cooling) H/L	dB(A)	46/*	46/*	48/*	47/*	49/*
		(heating) H/L	dB(A)	47/*	47/*	48/*	48/*	48/*
	Sound power (2)	(cooling/heating) H	dB(A)	61/62	61/62	63/63	48/*	49/*
FAN	Air flow rate	(cooling) H/L	m ³ /min	29/*	29/*	27.5/*	47.7/44.1	47.6/44.1
		(heating) H/L	m ³ /min	25.5/*	25.5/*	23.5/*	44.1/44.1	45.5/45.5
	Speed	(cooling) H/L	rpm	720/*	720/*	710/*	700/650	730/680
		(heating) H/L	rpm	690/*	690/*	690/*	650/650	700/700
	Model	Propeller						
Motor output	W	25			53			
HEAT EXCHANGER	Type	Colgate fin, ϕ 8 grooved tube						
	Rows x stages x fin pitch	mm	2 x 12 x 1.4			1 x 32 x 1.6		2 x 32 x 1.8
REFRIGERANT CIRCUIT	Refrigerant type	R-410A						
	Refrigerant charge	kg	0.79	0.79	1.01	1.20	1.70	
	Maximum allowable distance between indoor and outdoor	m	15	15	15	30		
	Maximum allowable level difference	m	15	15	15	20		
	Refrigerant control	Motor operated expansion valve						
COMPRESSOR	Type	Hermetically sealed swing type						
	Model	1YC23NXD#A			2YC32HXD			
	Motor output	600			1,500			
	Oil type	FVC50K						
	Oil charge volume	ℓ	0.375			0.65		0.65
PIPING CONNECTIONS		liquid	mm	ϕ 6.4			ϕ 6.4	
		gas	mm	ϕ 9.5			ϕ 12.7	
		drain	mm	ϕ 18.0			ϕ 18.0	
INSULATION MATERIAL	Heat insulation	Both liquid and gas pipes						

* This information was not available at the time of publication.

ELECTRICAL SPECIFICATIONS				RYN20CVMB	RYN25CVMB	RYN35CVMB	RYS50BVMB	RYS60BVMB
OUTDOOR UNITS								
CURRENT	Nominal running current	cooling/heating	A	3.22/3.92	4.32/4.82	5.82/6.72	7.12/7.32	9.12/9.02
	Max. running current	cooling/heating	A	Please refer to electrical data				
	Starting current	cooling/heating	A	4.1	5.0	6.9	7.5	9.3

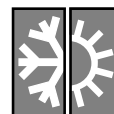
OUTDOOR UNITS				RYN20CVMB	RYN25CVMB	RYN35CVMB	RYS50BVMB	RYS60BVMB
POWER SUPPLY				VM	VM	VM	VM	VM
NOMINAL DISTRIBUTION SYSTEM VOLTAGE	Phase			1~	1~	1~	1~	1~
	Frequency	Hz		50	50	50	50	50
	Voltage	V		230	230	230	230	230

3D044452 - 3D044453 - 3D044454 - 3D040784A - 3D040785

NOTES

- The sound pressure level is measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. For measuring conditions: please refer to item 8 of this chapter.
- The sound power level is an absolute value indicating the "power" which a sound source generates.

2 Specifications



2

ELECTRICAL DATA

RYN+FTYN20C

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTYN20CVMB	RYN20CVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	14.0	15	42	2.81	25	0.35	18	0.20

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RYN+FTYN25C

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTYN25CVMB	RYN25CVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	14.0	15	47	3.21	25	0.35	18	0.20

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RYN+FTYN35C

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTYN35CVMB	RYN35CVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	14.0	15	70	4.41	25	0.35	18	0.20

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RYS+FTYS50B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTYS50BVMB	RYS50BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	6.92	53	0.18	40	0.16

3D040875

RYS+FTYS60B

Indoor unit	Outdoor unit	Power supply				Compressor		OFM		IFM	
		Hz-Volts	Voltage range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTYS60BVMB	RYS60BVMB	50-230	MAX. 50Hz 253V MIN. 50Hz 207V	18	20	72	8.86	53	0.24	43	0.16

3D040875

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
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://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.
Finally, click on the document title of your choice.



3 Capacity tables

RYN+FTYN20C

AFR	7.7
BF	0.23

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	1.86	1.68	0.46	1.80	1.62	0.52	1.74	1.57	0.57	1.71	1.54	0.58	1.67	1.50	0.59	1.60	1.44	0.64
16.0	22	2.01	1.81	0.47	1.95	1.75	0.53	1.88	1.69	0.58	1.85	1.66	0.59	1.80	1.62	0.60	1.72	1.55	0.65
18.0	25	2.16	1.95	0.48	2.09	1.88	0.54	2.02	1.82	0.59	1.98	1.79	0.60	1.93	1.74	0.61	1.85	1.67	0.67
19.0	27	2.24	2.01	0.48	2.16	1.95	0.54	2.09	1.88	0.60	2.05	1.85	0.61	2.00	1.80	0.62	1.92	1.72	0.67
22.0	30	2.47	2.22	0.50	2.39	2.15	0.56	2.31	2.08	0.61	2.27	2.04	0.62	2.21	1.99	0.64	2.12	1.91	0.69
24.0	32	2.63	2.36	0.51	2.54	2.29	0.57	2.45	2.21	0.63	2.41	2.17	0.64	2.35	2.12	0.65	2.25	2.03	0.70

Heating capacity

230V [50Hz]

AFR	7.8
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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
16.0	1.49	0.55	1.85	0.60	2.20	0.65	2.63	0.71	2.91	0.74	
18.0	1.48	0.58	1.83	0.63	2.19	0.68	2.61	0.73	2.90	0.77	
20.0	1.46	0.61	1.82	0.66	2.17	0.70	2.60	0.76	2.88	0.80	
21.0	1.46	0.62	1.81	0.67	2.17	0.72	2.59	0.77	2.88	0.81	
22.0	1.45	0.64	1.81	0.68	2.16	0.73	2.59	0.79	2.87	0.83	
24.0	1.44	0.66	1.79	0.71	2.15	0.76	2.57	0.81	2.86	0.85	

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RYN+FTYN25C

AFR	7.8
BF	0.30

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	2.10	1.78	0.52	2.03	1.72	0.58	1.96	1.66	0.65	1.92	1.63	0.66	1.87	1.59	0.67	1.80	1.52	0.72
16.0	22	2.26	1.92	0.53	2.19	1.86	0.59	2.11	1.79	0.66	2.08	1.76	0.67	2.02	1.72	0.68	1.94	1.65	0.74
18.0	25	2.43	2.06	0.54	2.35	2.00	0.61	2.27	1.93	0.67	2.23	1.89	0.68	2.17	1.85	0.69	2.08	1.77	0.75
19.0	27	2.52	2.14	0.55	2.43	2.06	0.61	2.35	1.99	0.67	2.31	1.96	0.68	2.25	1.91	0.70	2.16	1.83	0.76
22.0	30	2.78	2.36	0.56	2.69	2.28	0.63	2.60	2.20	0.69	2.55	2.17	0.70	2.49	2.11	0.72	2.38	2.02	0.78
24.0	32	2.96	2.51	0.57	2.86	2.43	0.64	2.76	2.34	0.71	2.71	2.30	0.72	2.64	2.24	0.73	2.53	2.15	0.79

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Heating capacity

230V [50Hz]

AFR	7.9
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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
16.0	1.63	0.61	2.02	0.66	2.41	0.71	2.88	0.77	3.19	0.82	
18.0	1.62	0.64	2.01	0.69	2.40	0.74	2.86	0.80	3.18	0.85	
20.0	1.61	0.67	1.99	0.72	2.38	0.77	2.85	0.84	3.16	0.88	
21.0	1.60	0.68	1.99	0.74	2.38	0.79	2.84	0.85	3.15	0.89	
22.0	1.59	0.70	1.98	0.75	2.37	0.80	2.84	0.87	3.15	0.91	
24.0	1.58	0.73	1.97	0.78	2.35	0.83	2.82	0.90	3.13	0.94	

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 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 cooling 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
 SHC* = 0.02 x AFR (m³/min) x (1-BF) x (DB-EDB)
 Add SHC* to SHC.
5. Capacities are based on following conditions:
 Corresponding refrigerant piping length: 5 m
 Level difference: 0 m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above.

3 Capacity tables



3 RYN+FTYN35C

AFR	7.7
BF	0.18

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	2.93	2.14	0.78	2.84	2.07	0.87	2.74	2.00	0.96	2.69	1.97	0.98	2.62	1.92	1.00	2.51	1.84	1.08
16.0	22	3.17	2.31	0.80	3.06	2.24	0.89	2.96	2.16	0.98	2.91	2.12	1.00	2.83	2.07	1.02	2.72	1.98	1.10
18.0	25	3.40	2.49	0.81	3.29	2.40	0.90	3.18	2.32	1.00	3.13	2.28	1.01	3.04	2.22	1.04	2.92	2.13	1.12
19.0	27	3.52	2.57	0.82	3.41	2.49	0.91	3.29	2.40	1.01	3.23	2.36	1.02	3.15	2.30	1.05	3.02	2.20	1.13
22.0	30	3.89	2.84	0.84	3.76	2.75	0.94	3.63	2.65	1.04	3.57	2.61	1.05	3.48	2.54	1.08	3.33	2.43	1.16
24.0	32	4.14	3.02	0.86	4.00	2.92	0.96	3.86	2.82	1.06	3.80	2.77	1.07	3.70	2.70	1.10	3.55	2.59	1.19

Heating capacity

230V [50Hz]

AFR	8.1
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Indoor		Outdoor temperature (°CWB)									
EDB (°C)	TC	-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.06	0.77	2.55	0.83	3.05	0.90	3.64	0.98	4.03	1.03	
18.0	2.05	0.81	2.54	0.87	3.03	0.94	3.62	1.02	4.01	1.07	
20.0	2.03	0.84	2.52	0.91	3.01	0.98	3.60	1.06	3.99	1.11	
21.0	2.02	0.86	2.51	0.93	3.00	0.99	3.59	1.07	3.98	1.13	
22.0	2.01	0.88	2.50	0.95	2.99	1.01	3.58	1.09	3.98	1.15	
24.0	1.99	0.92	2.48	0.99	2.97	1.05	3.56	1.13	3.96	1.18	

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RYS+FTYS50B

AFR	11.5
BF	0.23

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	5.06	3.28	1.31	4.91	3.21	1.41	4.76	3.14	1.50	4.70	3.11	1.54	4.61	3.07	1.60	4.46	3.00	1.69
16.0	22	5.22	3.31	1.34	5.07	3.24	1.43	4.92	3.17	1.53	4.86	3.14	1.56	4.77	3.10	1.62	4.62	3.03	1.72
18.0	25	5.37	3.34	1.36	5.22	3.27	1.46	5.07	3.20	1.55	5.01	3.18	1.59	4.92	3.13	1.65	4.77	3.06	1.74
19.0	27	5.45	3.36	1.38	5.30	3.29	1.47	5.15	3.22	1.57	5.09	3.19	1.60	5.00	3.15	1.66	4.85	3.08	1.76
22.0	30	5.68	3.41	1.41	5.53	3.34	1.51	5.38	3.27	1.60	5.32	3.24	1.64	5.23	3.20	1.70	5.08	3.13	1.79
24.0	32	5.84	3.45	1.44	5.69	3.38	1.54	5.54	3.31	1.63	5.48	3.28	1.67	5.39	3.24	1.73	5.24	3.17	1.82

Heating capacity

230V [50Hz]

AFR	12.2
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Indoor		Outdoor temperature (°CWB)											
EDB (°C)	TC	-15		-10		-5		0		6		10	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.91	1.22	3.61	1.31	4.31	1.39	5.02	1.48	5.86	1.58	6.42	1.65	
18.0	2.88	1.28	3.58	1.37	4.29	1.45	4.99	1.54	5.83	1.64	6.39	1.71	
20.0	2.85	1.34	3.55	1.43	4.26	1.51	4.96	1.60	5.80	1.70	6.36	1.77	
21.0	2.84	1.37	3.54	1.46	4.24	1.54	4.94	1.63	5.79	1.73	6.35	1.80	
22.0	2.82	1.40	3.53	1.49	4.23	1.57	4.93	1.66	5.77	1.76	6.33	1.83	
24.0	2.79	1.47	3.50	1.55	4.20	1.64	4.90	1.72	5.74	1.82	6.30	1.89	

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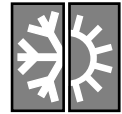
SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total 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 cooling 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
 $SHC^* = SHC$ correction for other dry bulb
 $SHC^* = 0.02 \times AFR (m^3/min) \times (1-BF) \times (DB-EDB)$
 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.

3 Capacity tables



RYS+FTYS60B

AFR	16.4
BF	0.29

3

Cooling capacity

230V [50Hz]

Indoor		Outdoor temperature (°C)																	
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	6.06	3.97	1.77	5.91	3.90	1.87	5.76	3.83	1.96	5.70	3.80	2.00	5.61	3.76	2.06	5.46	3.69	2.15
16.0	22	6.22	4.00	1.80	6.07	3.93	1.89	5.92	3.86	1.99	5.86	3.83	2.02	5.77	3.79	2.08	5.62	3.72	2.18
18.0	25	6.37	4.03	1.82	6.22	3.96	1.92	6.07	3.89	2.01	6.01	3.87	2.05	5.92	3.82	2.11	5.77	3.75	2.20
19.0	27	6.45	4.05	1.84	6.30	3.98	1.93	6.15	3.91	2.03	6.09	3.88	2.06	6.00	3.84	2.12	5.85	3.77	2.22
22.0	30	6.68	4.10	1.87	6.53	4.03	1.97	6.38	3.96	2.06	6.32	3.93	2.10	6.23	3.89	2.16	6.08	3.82	2.25
24.0	32	6.84	4.14	1.90	6.69	4.07	2.00	6.54	4.00	2.09	6.48	3.97	2.13	6.39	3.93	2.19	6.24	3.86	2.28

Heating capacity

230V [50Hz]

AFR	17.5
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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		3.51	1.50	4.36	1.61	5.21	1.71	6.05	1.81	7.07	1.94	7.75	2.02
18.0		3.48	1.58	4.32	1.68	5.17	1.78	6.02	1.89	7.04	2.01	7.71	2.10
20.0		3.44	1.65	4.29	1.76	5.14	1.86	5.98	1.96	7.00	2.09	7.68	2.17
21.0		3.43	1.69	4.27	1.79	5.12	1.90	5.97	2.00	6.98	2.13	7.66	2.21
22.0		3.41	1.73	4.25	1.83	5.10	1.94	5.95	2.04	6.97	2.17	7.64	2.25
24.0		3.37	1.80	4.22	1.91	5.07	2.01	5.91	2.12	6.93	2.24	7.61	2.32

3D040898

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 capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)

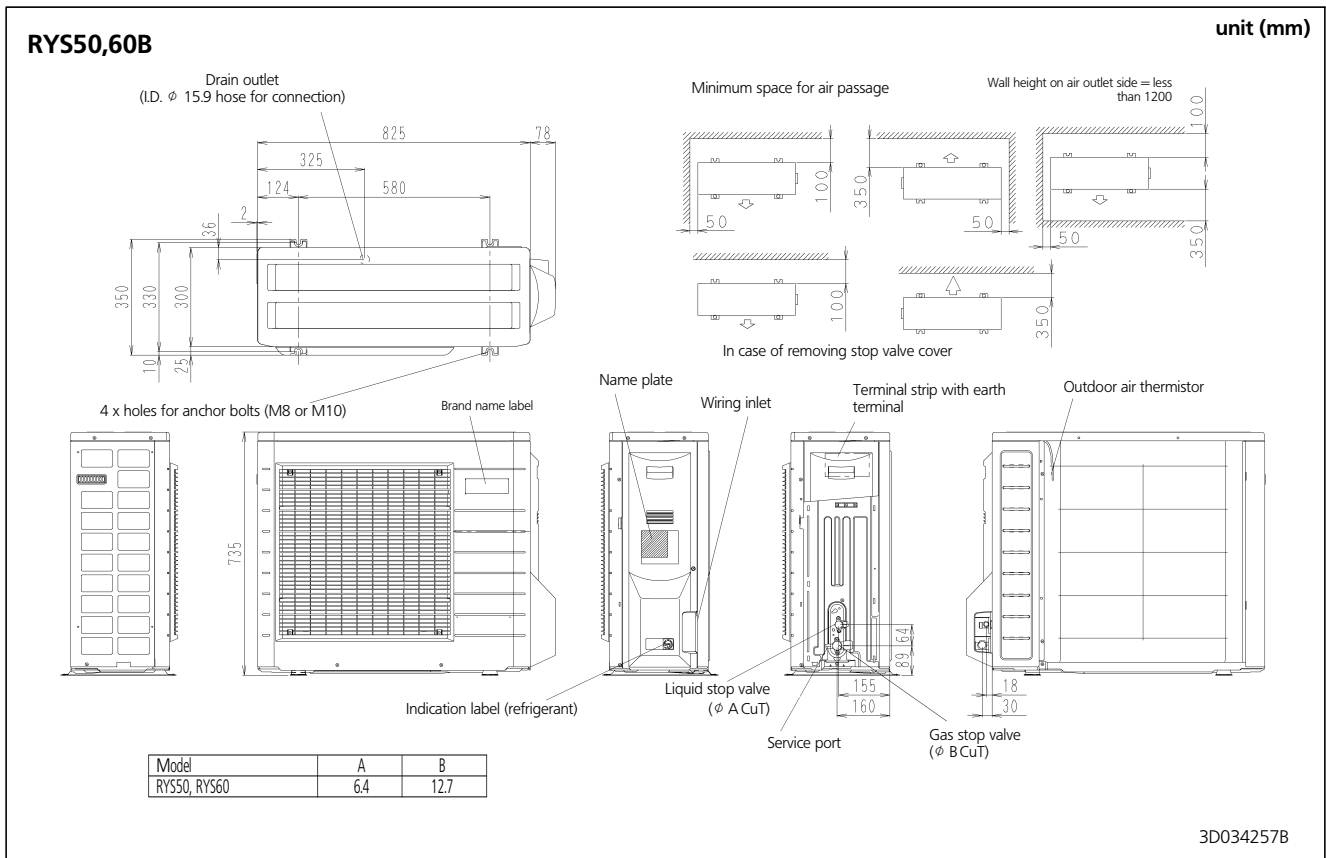
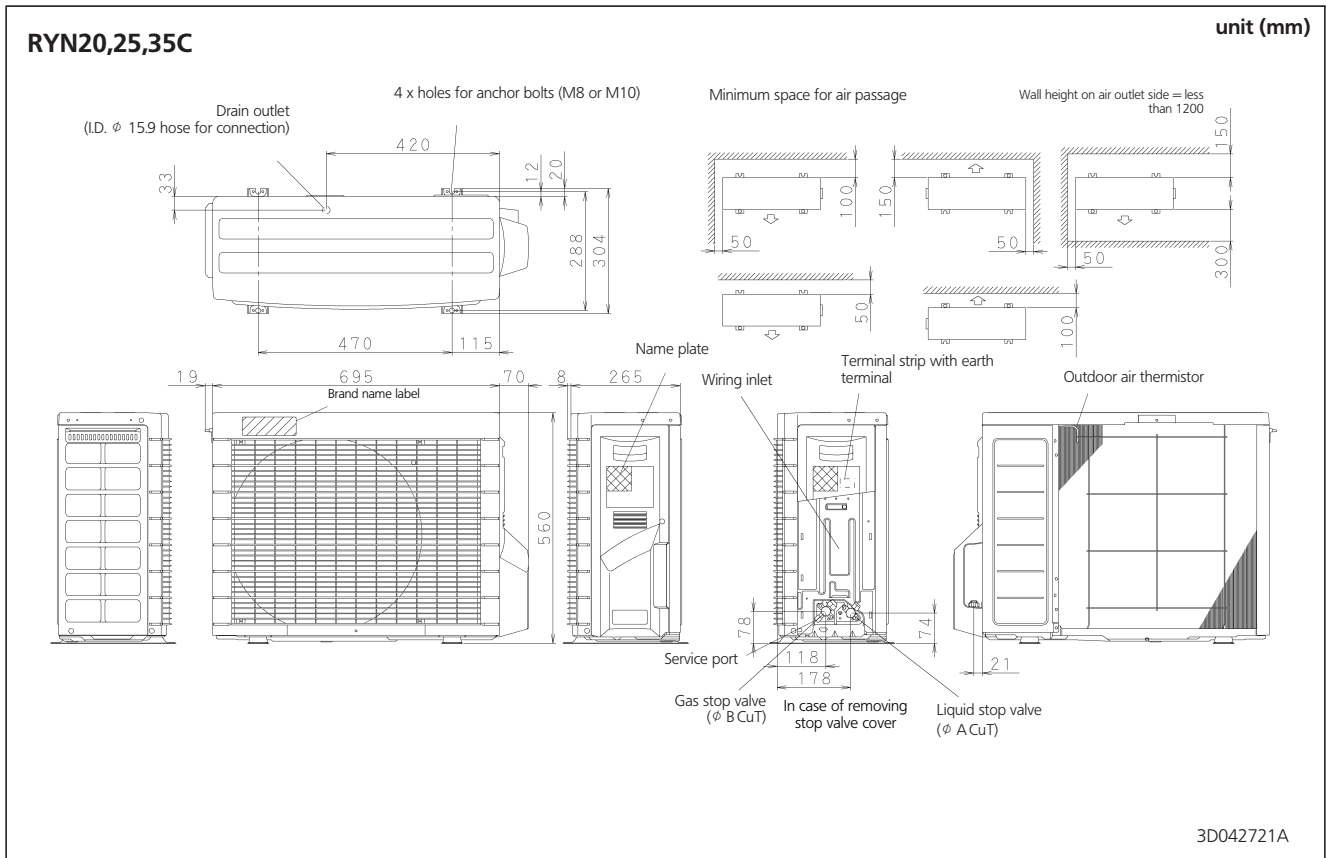
NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal cooling 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 correction for other dry bulb
 SHC* = 0.02 x AFR (m³/min) x (1-BF) x (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 Dimensional drawings

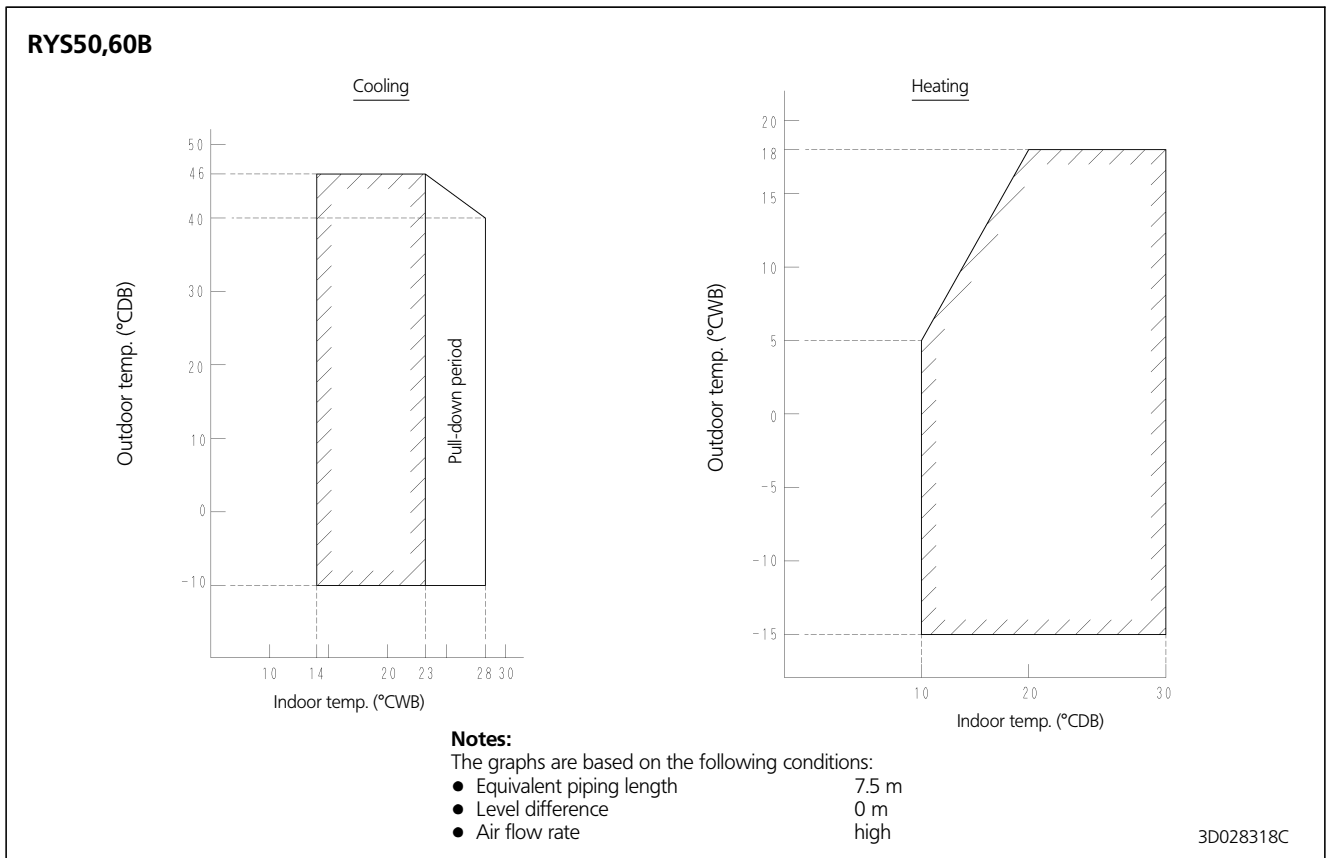
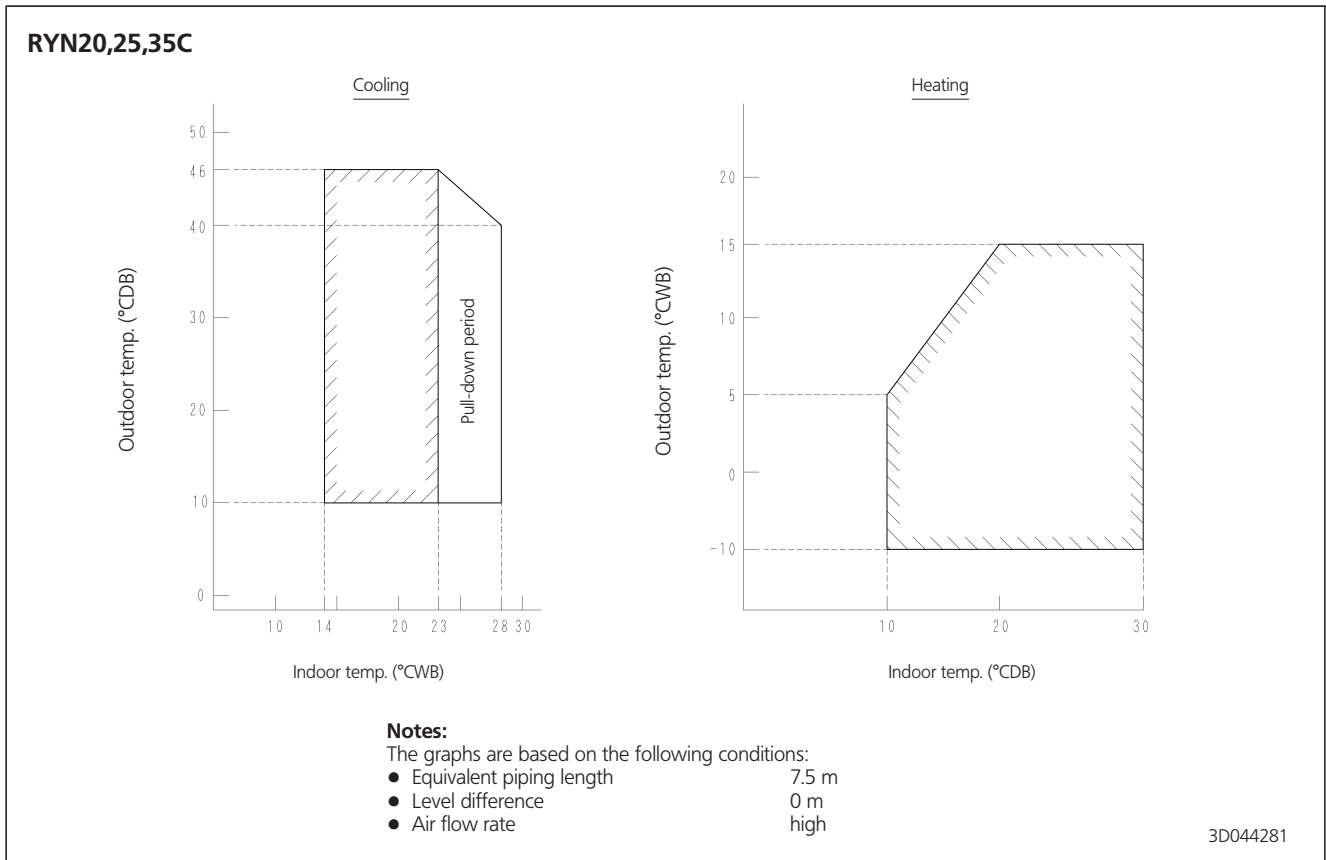
4



5 Operation range



5

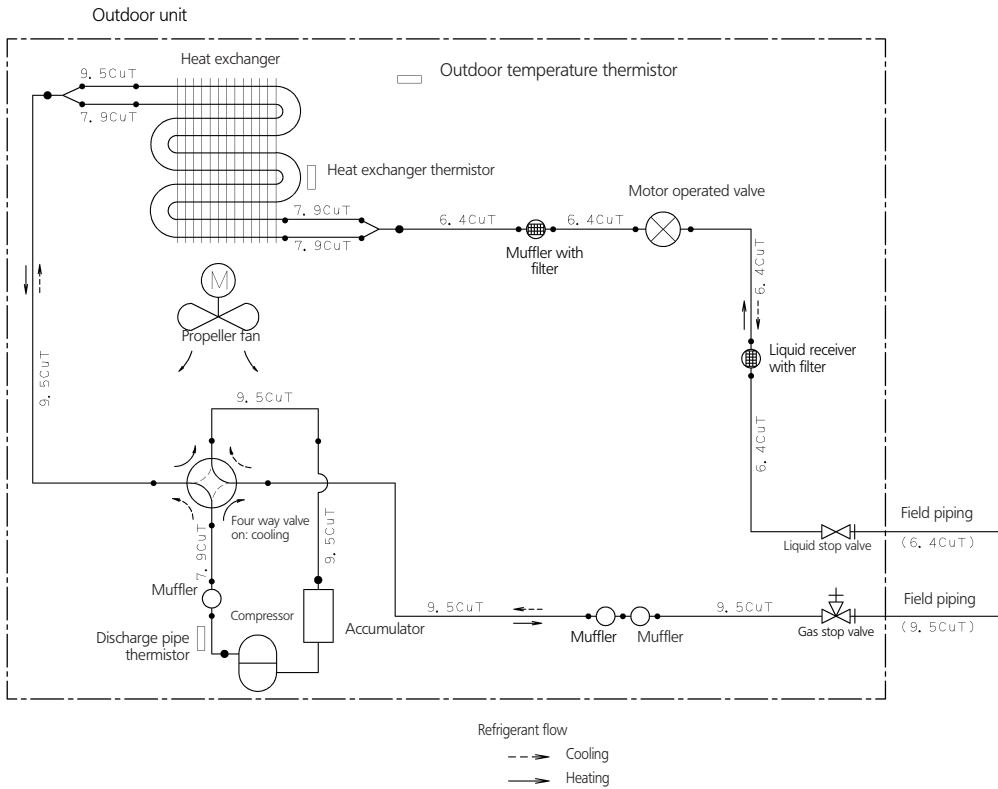


6 Piping diagrams

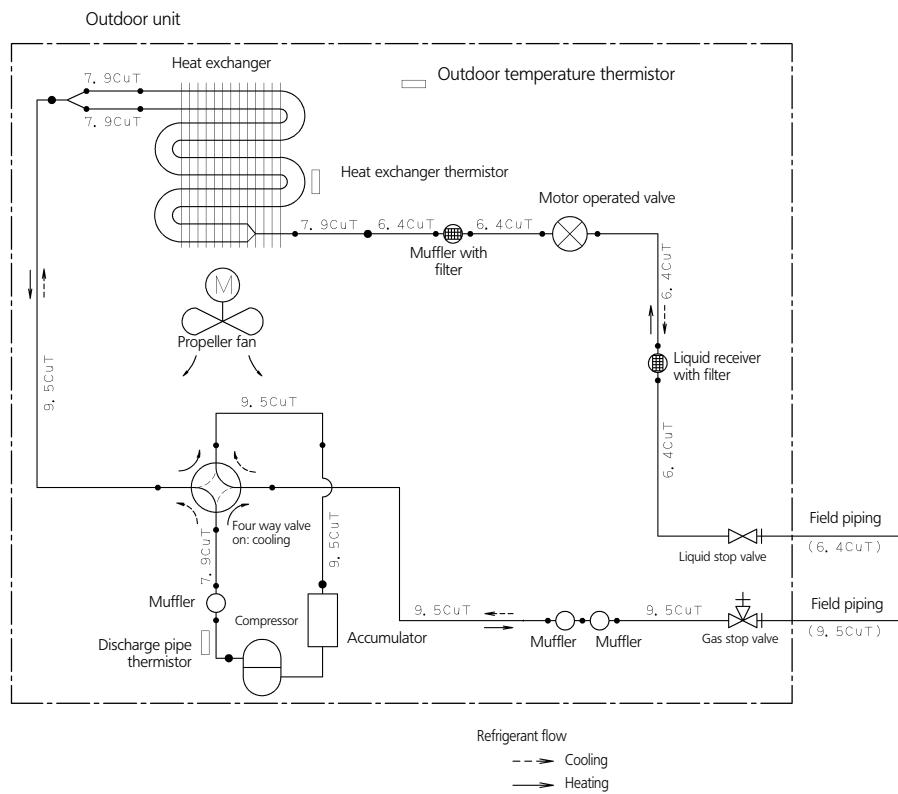


6

RYN20,25C



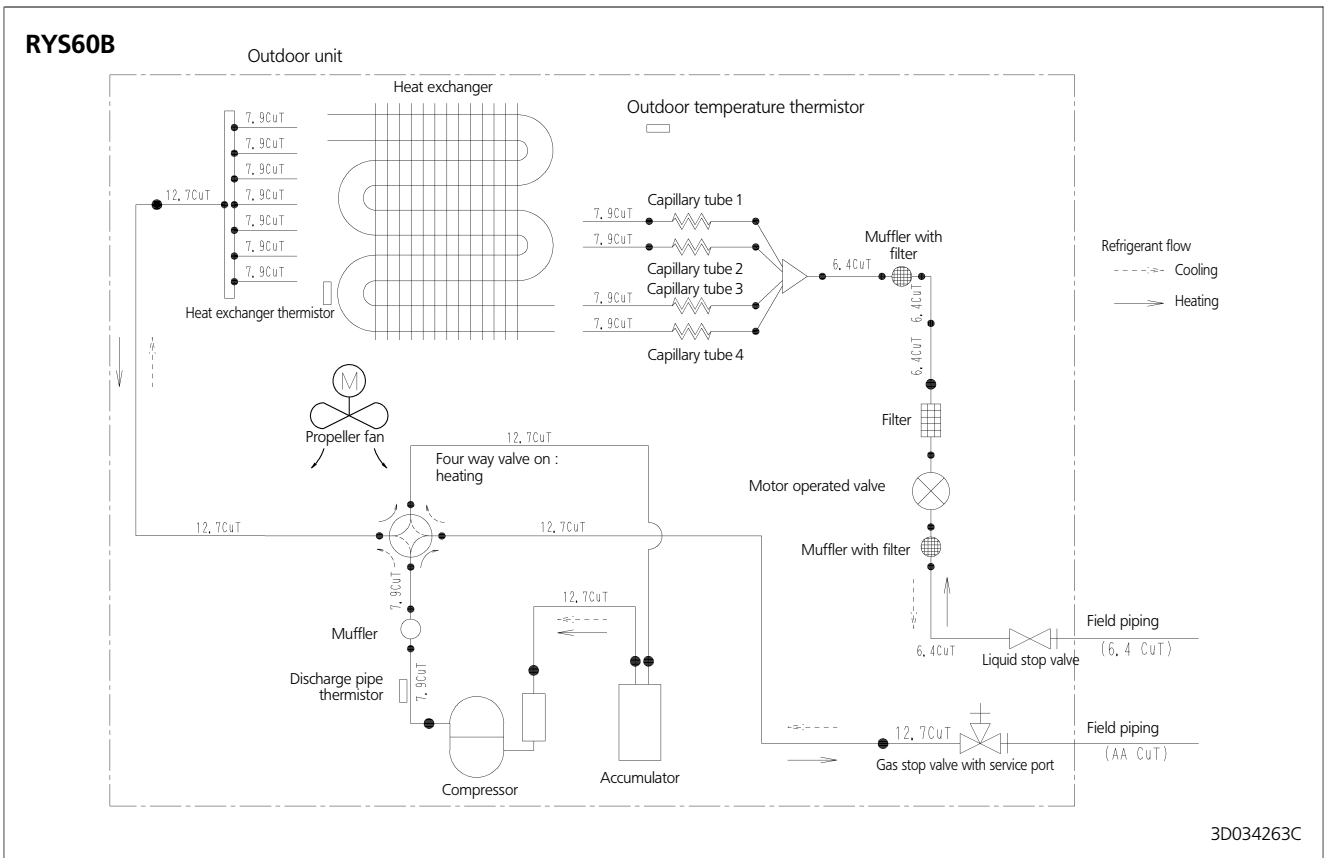
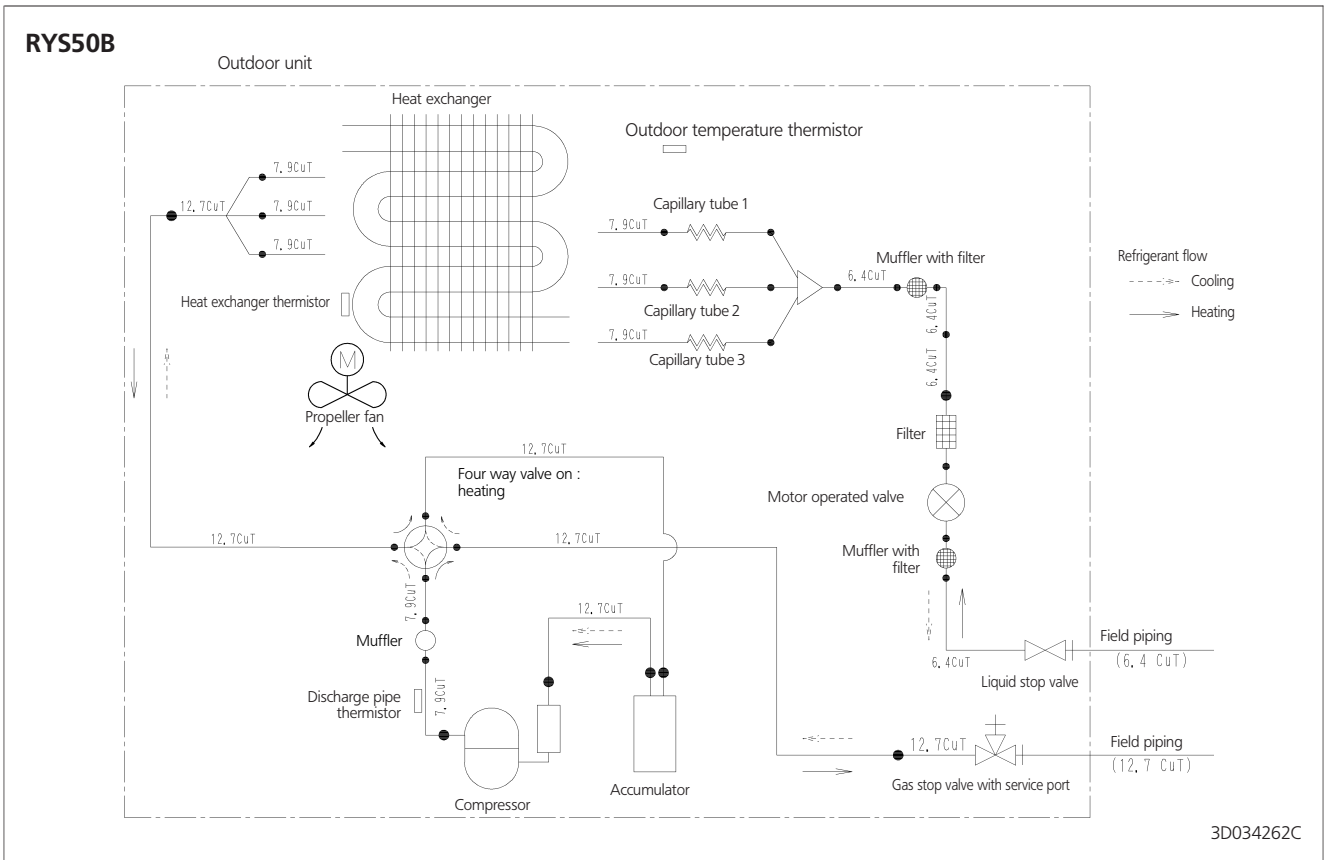
RYN35C



6 Piping diagrams



6

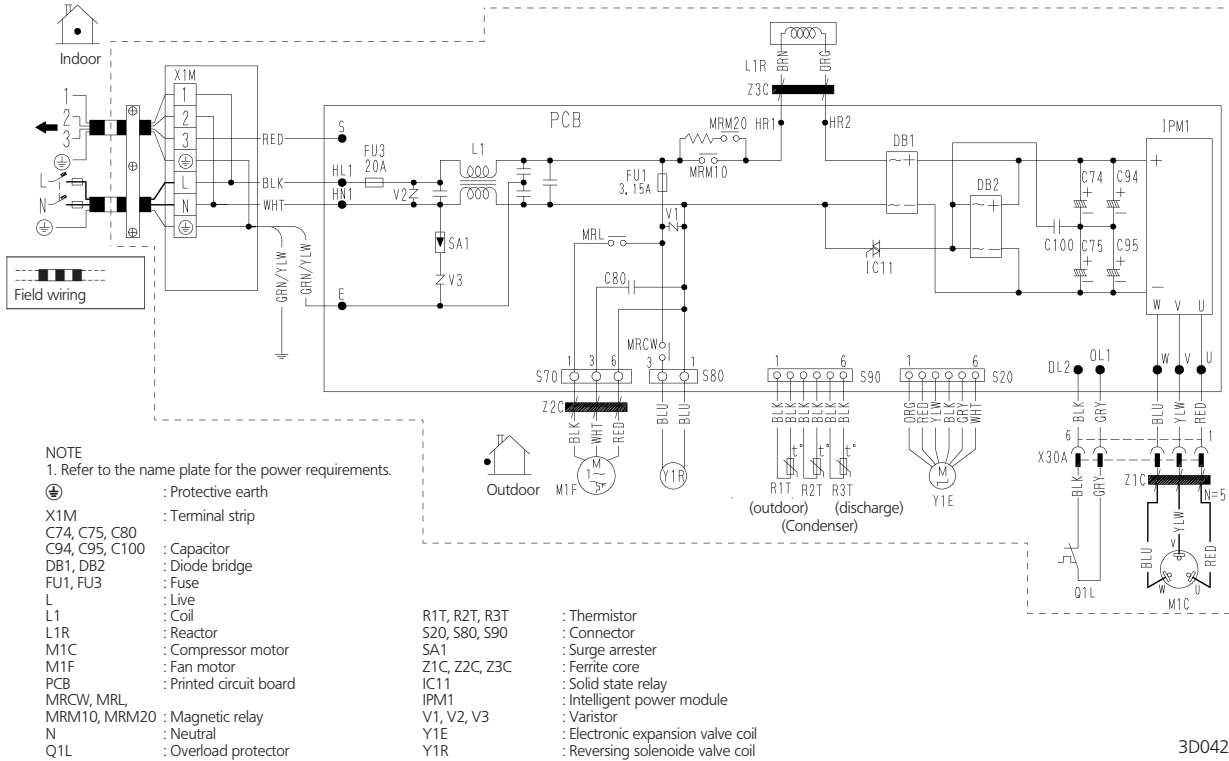


7 Wiring diagrams

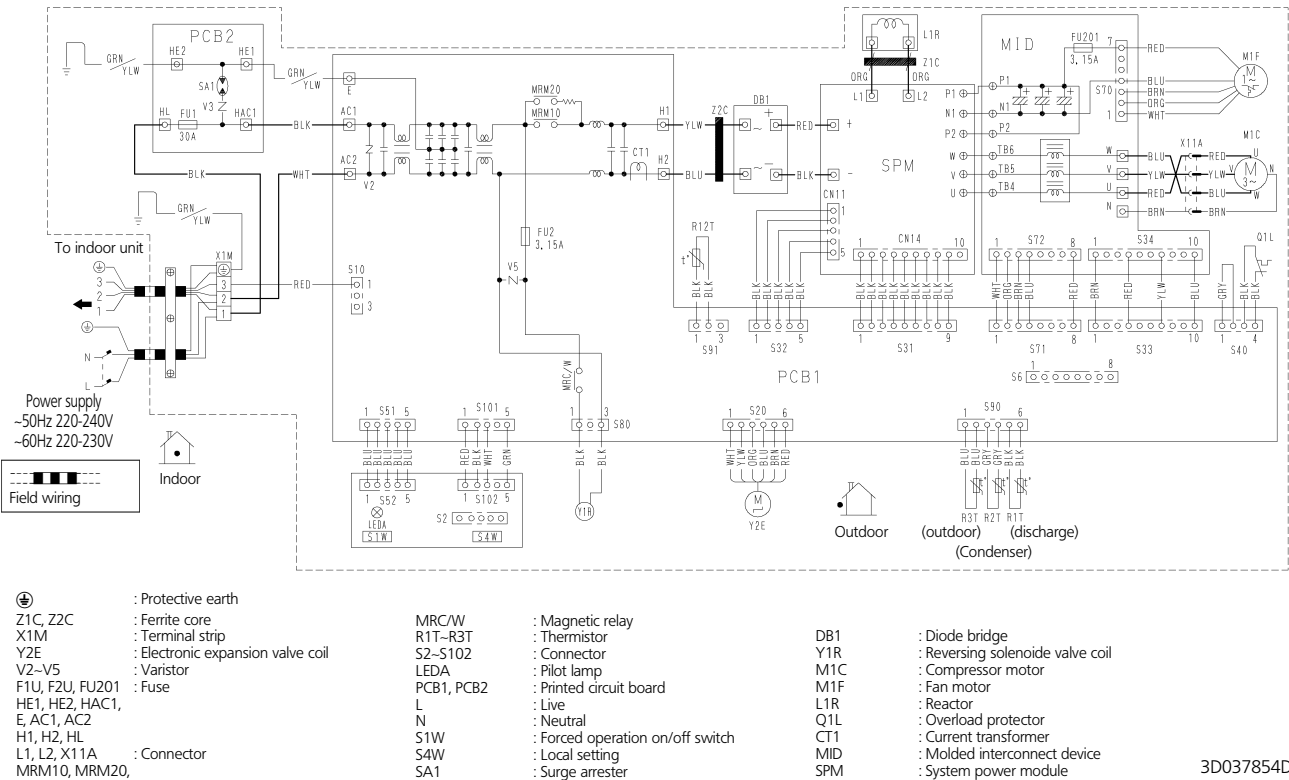


7

RYN20,25,35C



RYS50,60B

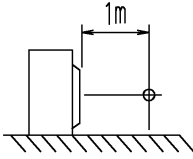


8 Sound level

8-1 Sound level data



Cooling only / Heat pump:

Model	Sound pressure level		Measuring location 	Sound power level (Cooling/Heating)
	230V, 50Hz			
	Cooling/Heating			
	H			
RYN20C	46/47			61/62
RYN25C	46/47			61/62
RYN35C	48/48			63/63
RYS50B	47/48			63/64
RYS60B	49/49			64/64

8
8-1



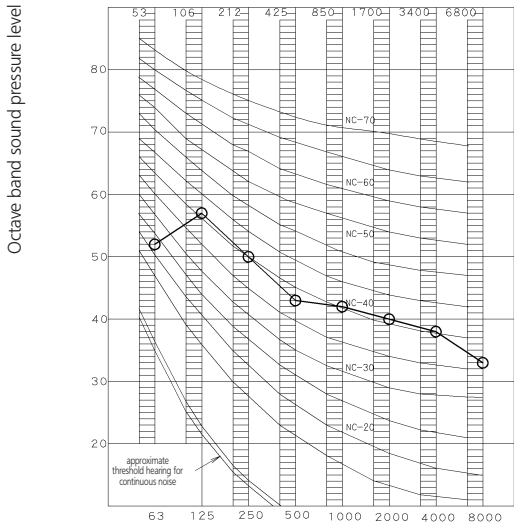
8 Sound level

8-2 Sound pressure spectrum

8

8-2

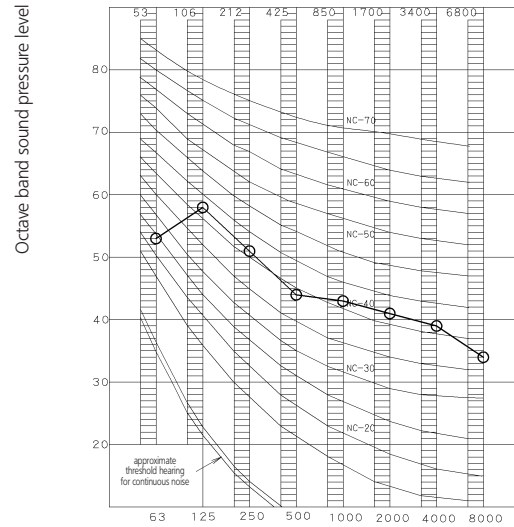
RYN20,25C (Cooling)



3D044284

Octave band center frequency (Hz)

RYN20,25C (Heating)



3D044284

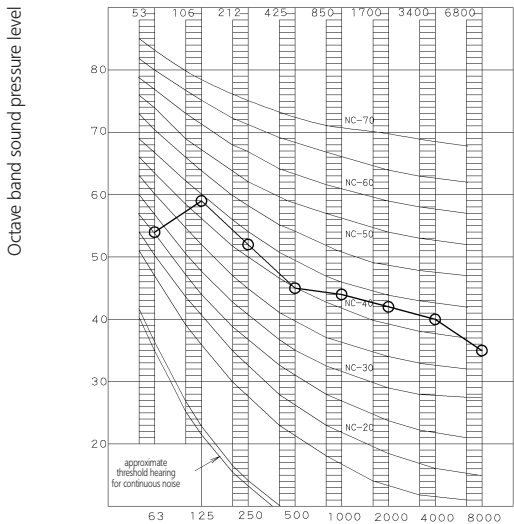
Octave band center frequency (Hz)

Legend



50/60Hz, 220-240/220-230V

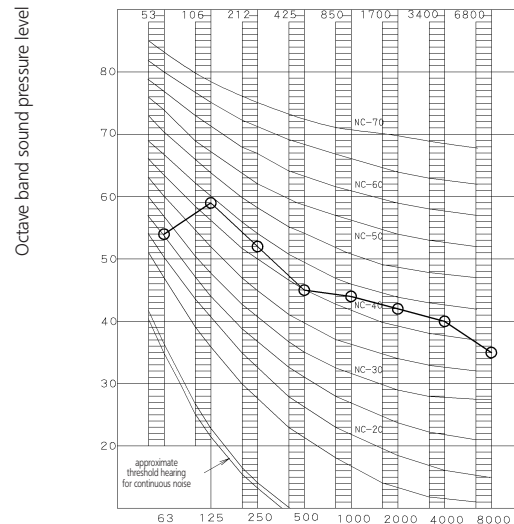
RYN35C (Cooling)



3D044291

Octave band center frequency (Hz)

RYN35C (Heating)



3D044291

Octave band center frequency (Hz)

Legend



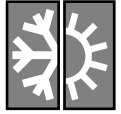
50/60Hz, 220-240/220-230V

NOTES

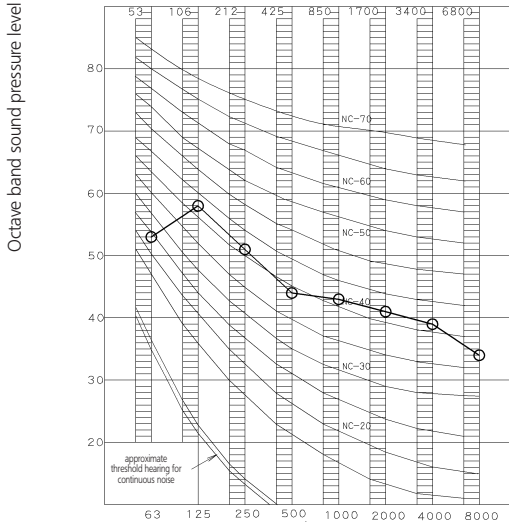
- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20Pa

8 Sound level

8-2 Sound pressure spectrum



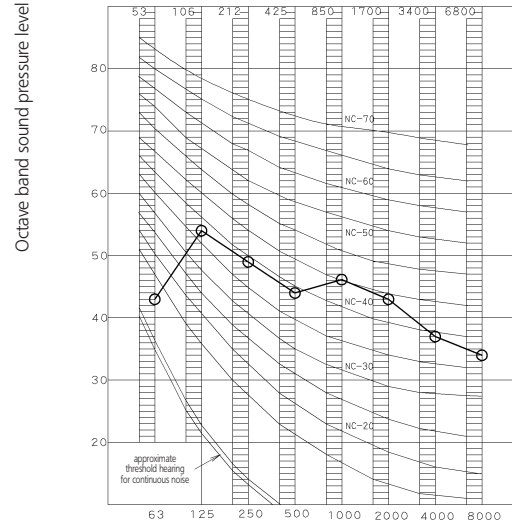
RYS50B (Cooling)



3D027645F

Octave band center frequency (Hz)

RYS50B (Heating)



3D027645F

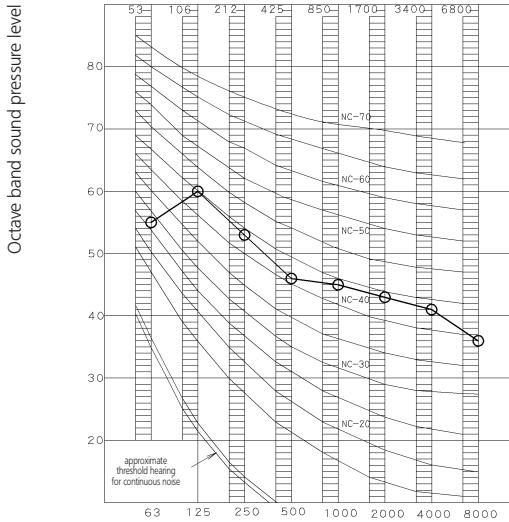
Octave band center frequency (Hz)

Legend



50/60Hz, 220-240/220-230V

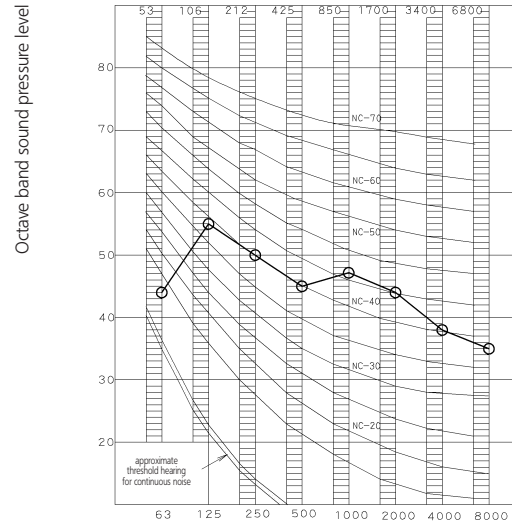
RYS60B (Cooling)



3D035059A

Octave band center frequency (Hz)

RYS60B (Heating)



3D035059A

Octave band center frequency (Hz)

Legend



50/60Hz, 220-240/220-230V

NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20Pa




9 Accessories

9-1 Standard accessories

9 RYN/S-C/B

9-1

Accessories supplied with the outdoor unit:			
(A) Installation manual	1	(B) Drain plug (Heat pump models)  There is on the bottom packing case.	1

9-2 Optional accessories

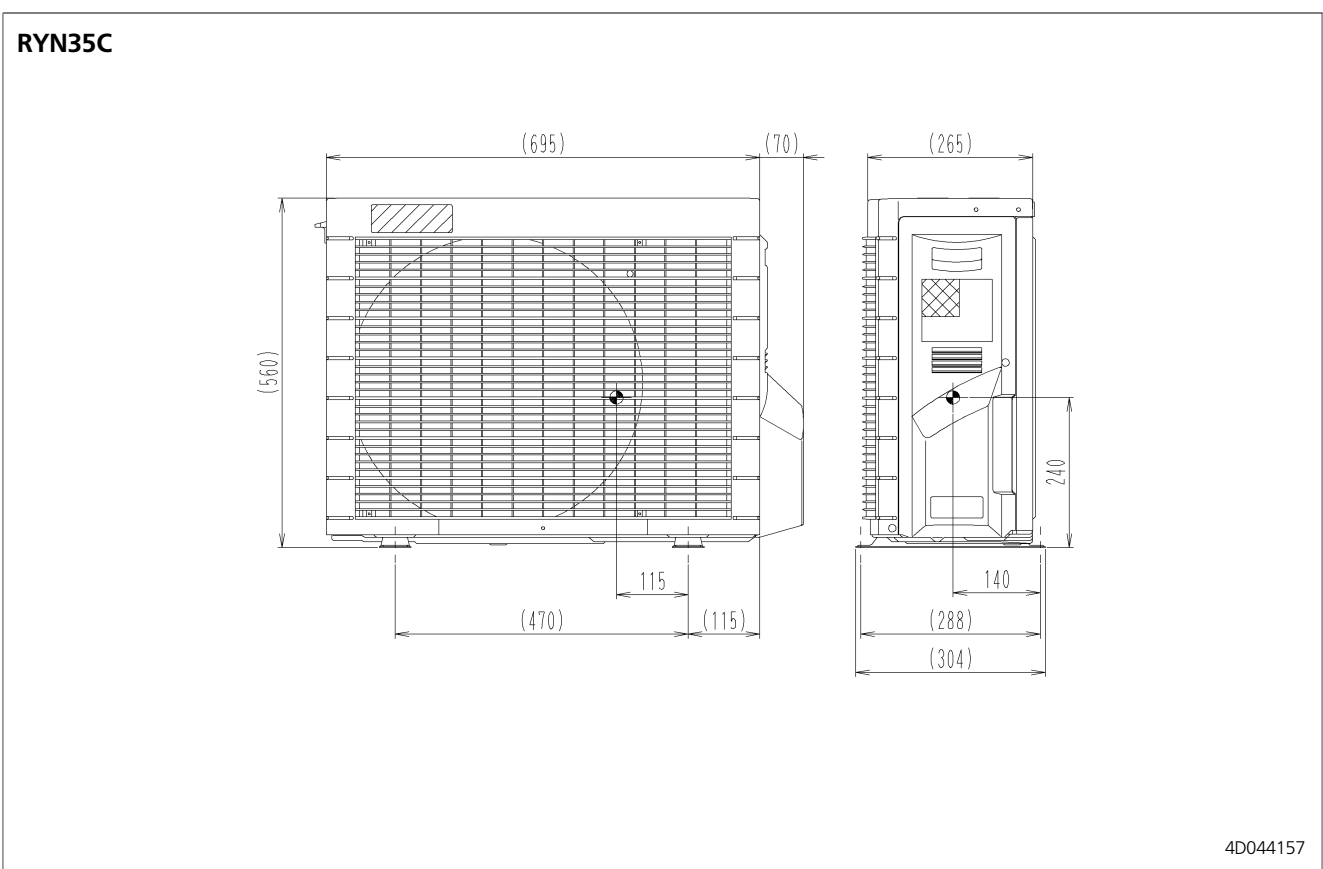
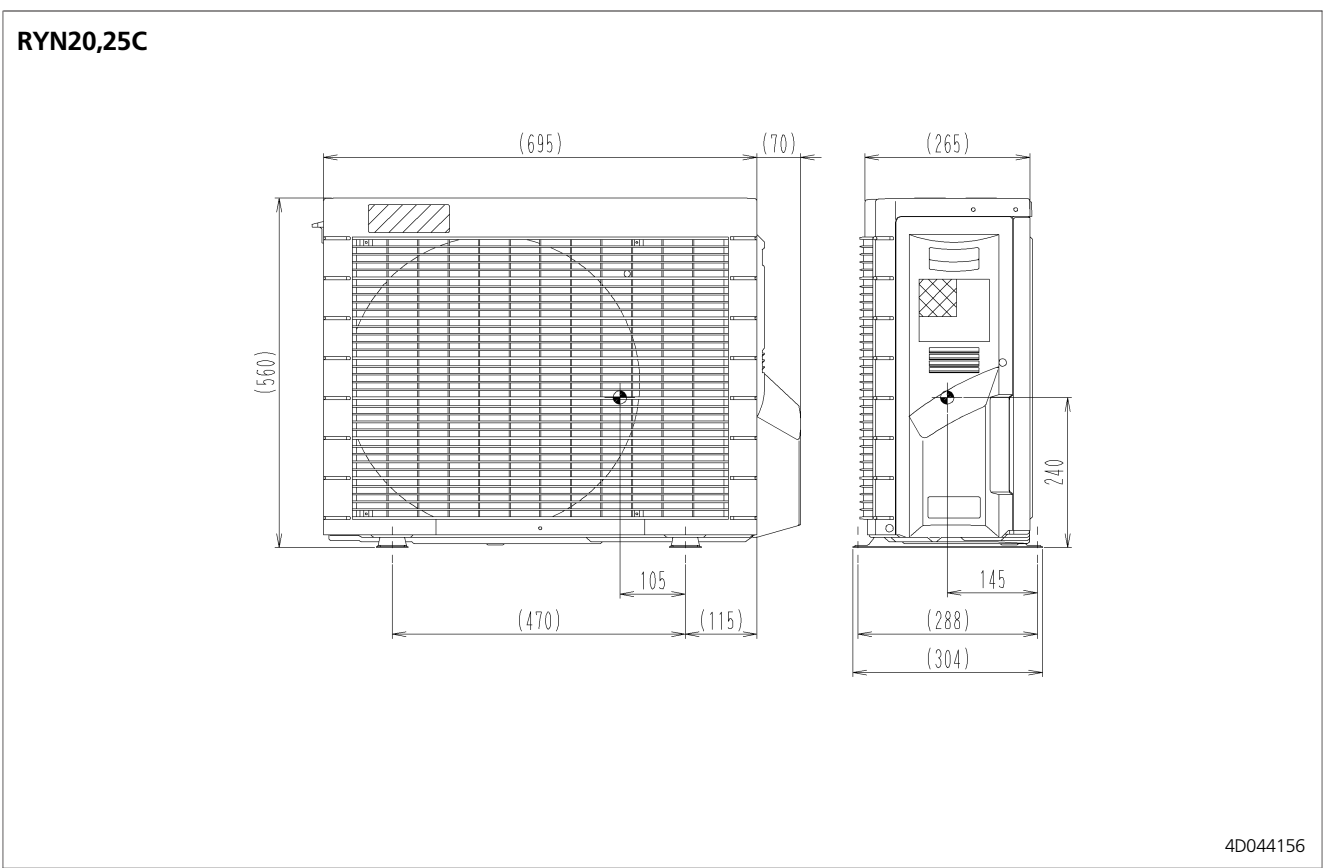
RYN/S-C/B

	RYN20CVMB	RYN25CVMB	RYN35CVMB	RYS50BVMB	RYS60BVMB
Air direction adjustment grille	KPW937A4			KPW945A4	

10 Center of gravity



10

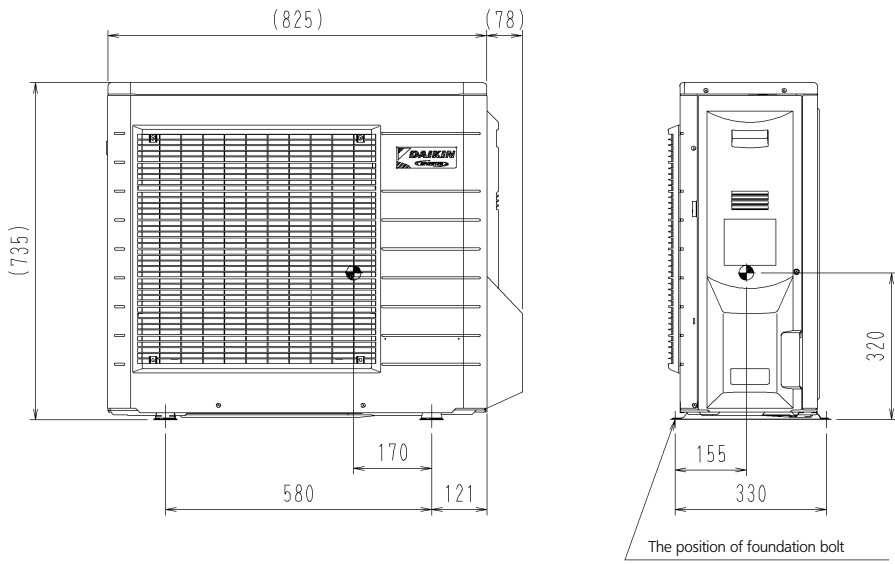


10 Center of gravity



10

RYS50,60B



4D042259

11 Installation

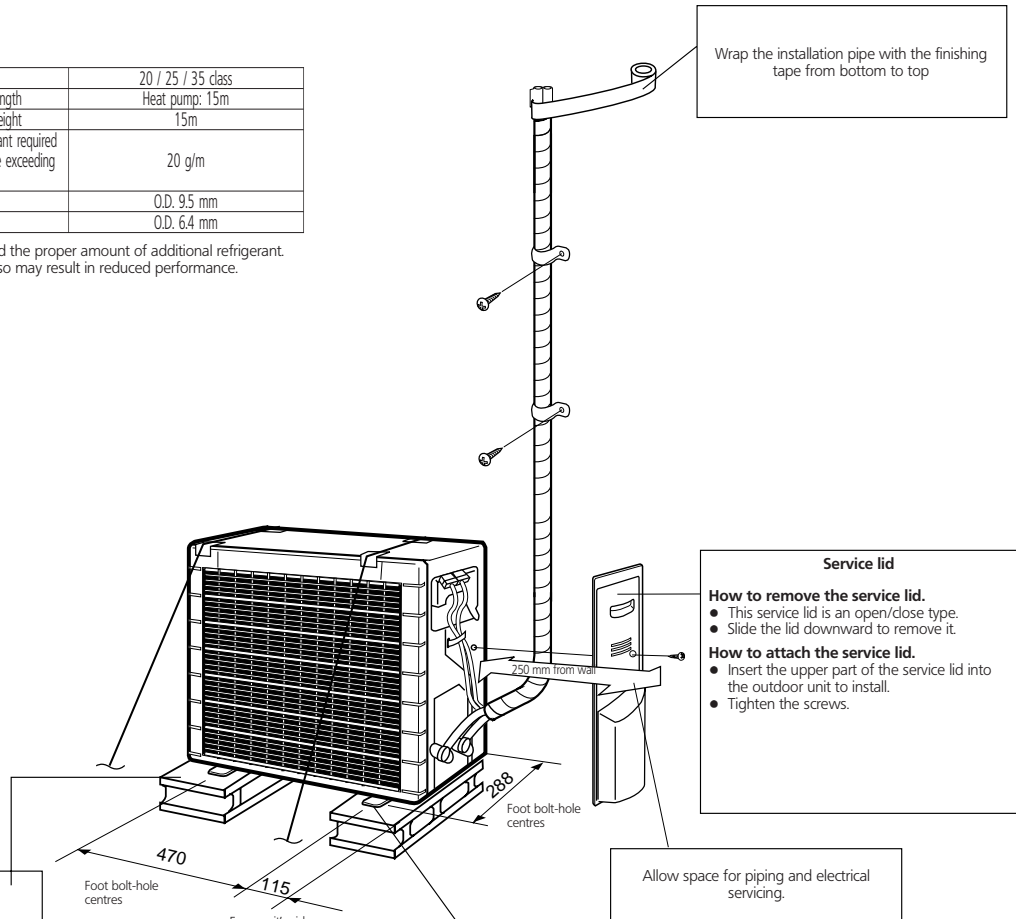


RYN20,25,35C

Outdoor unit installation drawings

Model	20 / 25 / 35 class
Max. allowable length	Heat pump: 15m
Max. allowable height	15m
Additional refrigerant required for refrigerant pipe exceeding 10 m in length.	20 g/m
Gas pipe	O.D. 9.5 mm
Liquid pipe	O.D. 6.4 mm

* Be sure to add the proper amount of additional refrigerant. Failure to do so may result in reduced performance.



In sites with poor drainage, use block bases for outdoor unit. Adjust foot height until the unit is leveled. Otherwise, water leakage or pooling of water may occur.

Where there is a danger of the unit falling, use foot bolts, or wires.

Service lid

How to remove the service lid.

- This service lid is an open/close type.
- Slide the lid downward to remove it.

How to attach the service lid.

- Insert the upper part of the service lid into the outdoor unit to install.
- Tighten the screws.

Allow space for piping and electrical servicing.

11 Installation



11

RYS50,60B

Outdoor unit installation drawings

Model	50 class	60 class
Max. allowable length	30m	
Max. allowable height	20m	
Additional refrigerant required for refrigerant pipe exceeding 10 m in length.	20 g/m	
Gas pipe	O.D. 12.7 mm	
Liquid pipe	O.D. 6.4 mm	

* Be sure to add the proper amount of additional refrigerant. Failure to do so may result in reduced performance.

In sites with poor drainage, use block bases for outdoor unit. Adjust foot height until the unit is leveled. Otherwise, water leakage or pooling of water may occur.

