EDUS342395-D
202402

Engineering Data

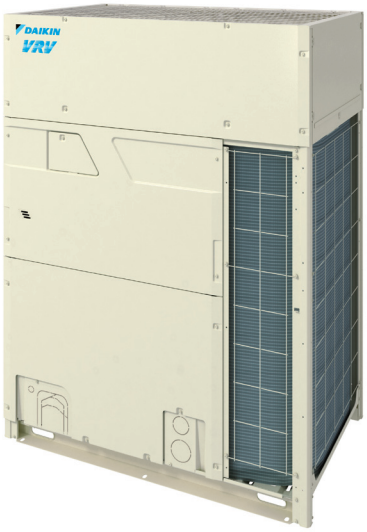
Design Manual

RXYQ-AATJB, 208 / 230 V
RXYQ-AAYDB, 460 V

Heat Pump 60 Hz

R-410A

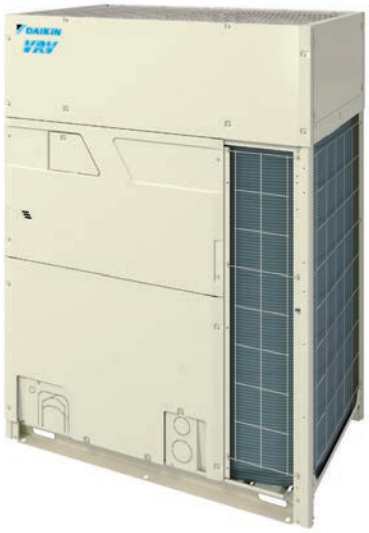
VRV EMERSON



1. Basic Information
1. Features and Benefits

- New line up with single modules from 6 – 20T and multi-module up to 40T
- Industry leading piping with vertical separation up to 360 ft.
- Year-round comfort and energy savings with Variable Refrigerant Temperature technology (VRT)
- Duel-Fuel ready with flexibility to connect Daikin communicating gas furnace
- Innovative IP55 rated sealed E-box for protection from dust, water and snow ingress.
- Phased installation capability enables system expansion without change to main pipe sizes.
- Connects to LT Hydroboxes for Pre-heating DHW, radiant floor heating or hydronic heating.
- Auto charge function facilitates ease of installation.
- Hot gas defrost circuit allows installation without base pan heater.
- Service window provides quick access to multi-functional display and configuration buttons.
- Built-in digital gauges simplify maintenance by providing pressures, temperatures etc.
- Structurally engineered for extreme climates with compliance to OSHPD, Miami Dade Wind code etc.
- Refrigerant cooled inverter technology keeps PCB cool independent of ambient temperature.
- Intermittent outdoor fan operation to minimize snow accumulation on fan blades
- Remote monitoring capable when connected to optional Daikin HERO cloud based IOT platform
- Seamless integration with full suite of Daikin Controls
- Standard Limited Warranty: 10-year limited parts warranty.

6 Ton

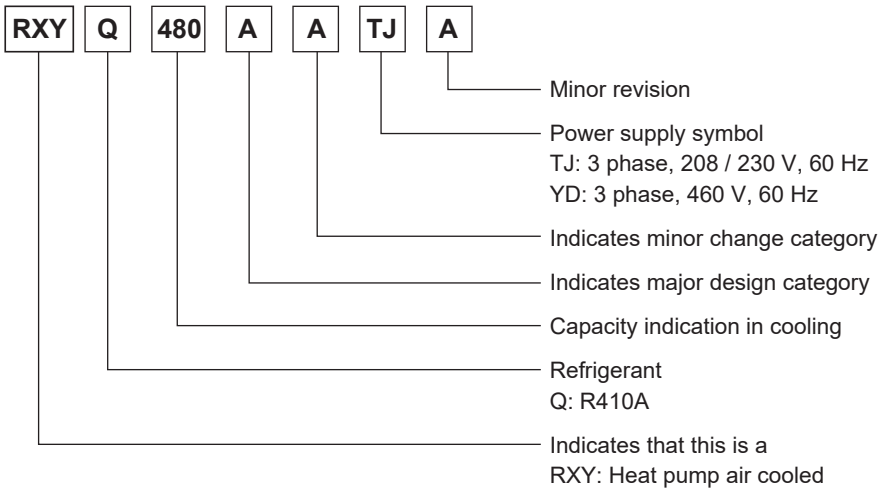


8 - 14 Ton

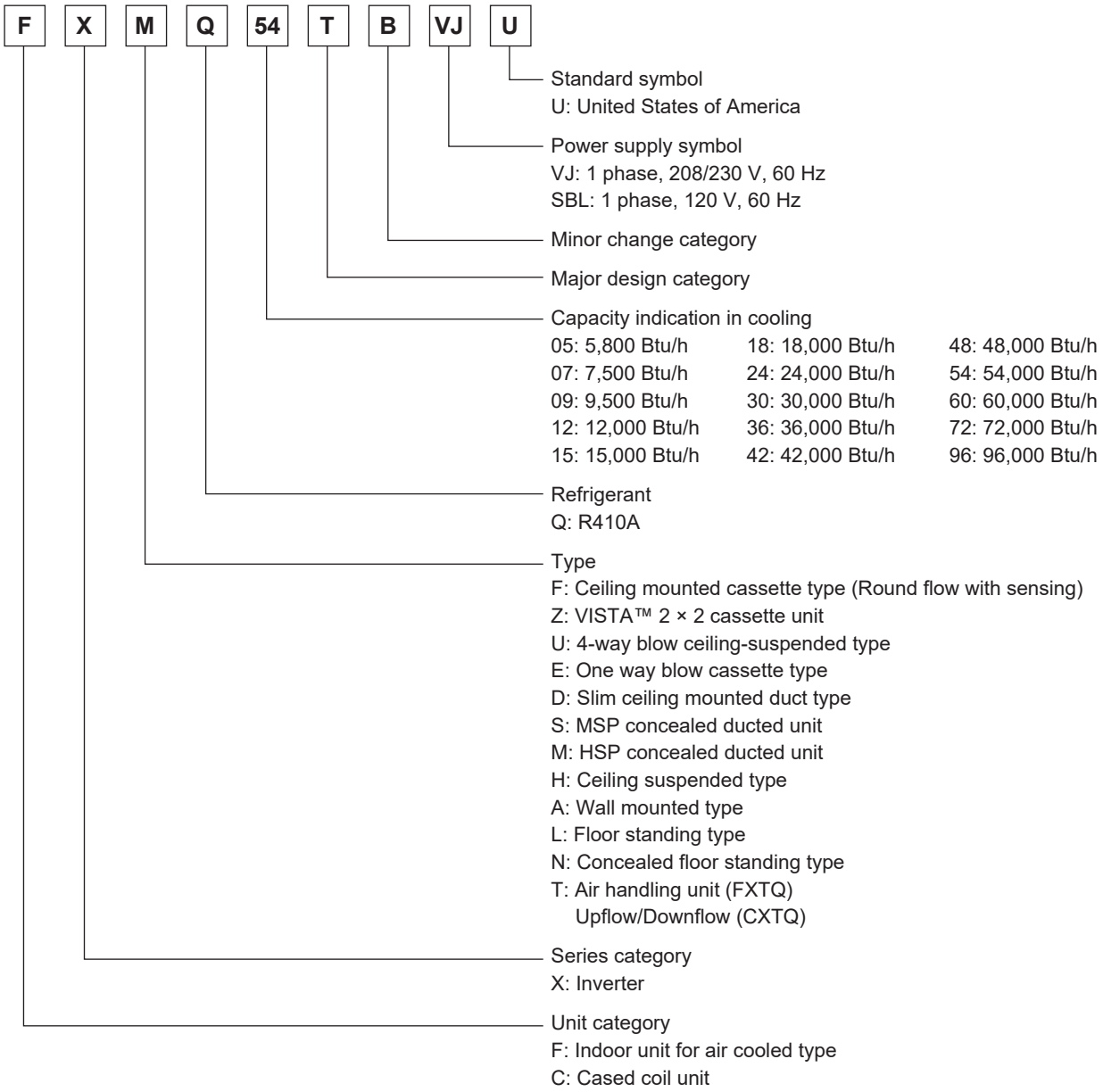
16 - 20 Ton

2. Nomenclature

2.1 Outdoor Unit

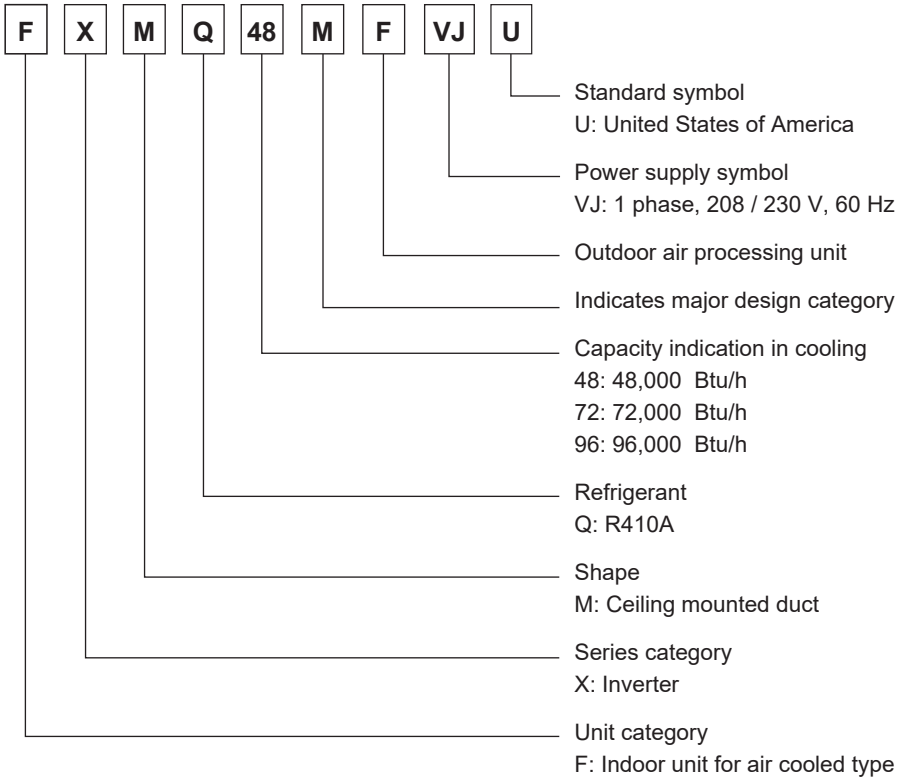


2.2 Indoor Unit

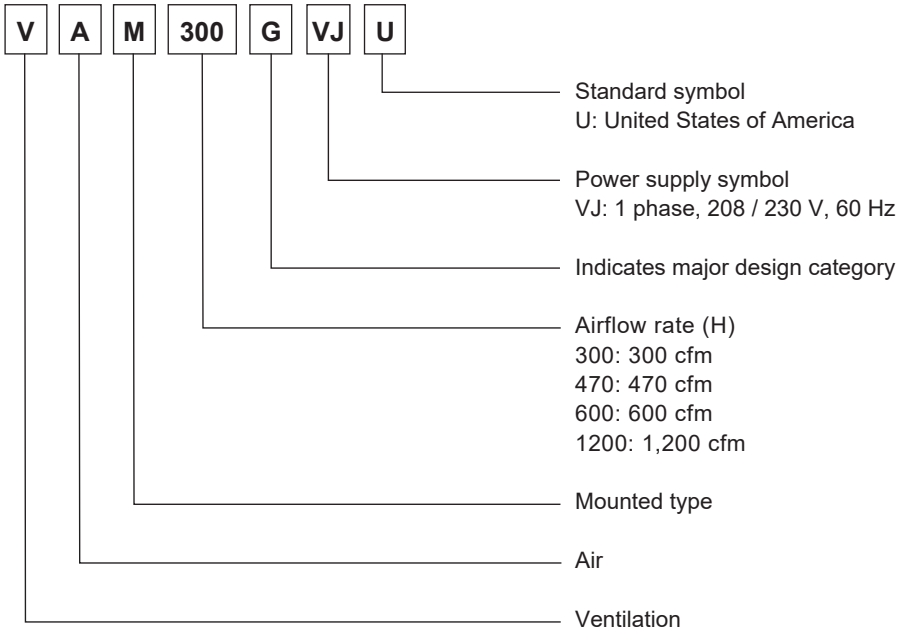


2.3 Air Treatment Equipment

Outdoor Air Processing Unit



Energy Recovery Ventilator (VAM series)



2. Lineup

1. Model Names

1.1 Outdoor Units

Capacity range		6 ton	8 ton	10 ton	12 ton	14 ton	16 ton	18 ton	20 ton	Power supply, Standard
Capacity index		72	96	120	144	168	192	216	240	
RXYQ	208 / 230 V	72AA	96AA	120AA	144AA	168AA	192AA	216AA	240AA	TJB
	460 V	72AA	96AA	120AA	144AA	168AA	192AA	216AA	240AA	YDB

Capacity range		22 ton	24 ton	26 ton	28 ton	30 ton	32 ton	34 ton	36 ton	38 ton	40 ton	Power supply, Standard
Capacity index		264	288	312	336	360	384	408	432	456	480	
RXYQ	208 / 230 V	264AA	288AA	312AA	336AA	360AA	384AA	408AA	432AA	456AA	480AA	TJB
	460 V	264AA	288AA	312AA	336AA	360AA	384AA	408AA	432AA	456AA	480AA	YDB

TJ: 3 phase, 208 / 230 V, 60 Hz
YD: 3 phase, 460 V, 60 Hz
A: Minor revision

Heat Pump 208 / 230 V

Model name	RXYQ72AATJB	RXYQ96AATJB	RXYQ120AATJB	RXYQ144AATJB
Outdoor unit 1	RXYQ72AATJB	RXYQ96AATJB	RXYQ120AATJB	RXYQ144AATJB

Model name	RXYQ168AATJB	RXYQ192AATJB	RXYQ216AATJB	RXYQ240AATJB
Outdoor unit 1	RXYQ168AATJB	RXYQ192AATJB	RXYQ216AATJB	RXYQ240AATJB

Model name	RXYQ264AATJB	RXYQ288AATJB	RXYQ312AATJB	RXYQ336AATJB	RXYQ360AATJB
Outdoor unit 1	RXYQ120AATJB	RXYQ144AATJB	RXYQ144AATJB	RXYQ168AATJB	RXYQ168AATJB
Outdoor unit 2	RXYQ144AATJB	RXYQ144AATJB	RXYQ168AATJB	RXYQ168AATJB	RXYQ192AATJB

Model name	RXYQ384AATJB	RXYQ408AATJB	RXYQ432AATJB	RXYQ456AATJB	RXYQ480AATJB
Outdoor unit 1	RXYQ192AATJB	RXYQ192AATJB	RXYQ216AATJB	RXYQ216AATJB	RXYQ240AATJB
Outdoor unit 2	RXYQ192AATJB	RXYQ216AATJB	RXYQ216AATJB	RXYQ240AATJB	RXYQ240AATJB

Heat Pump 460 V

Model name	RXYQ72AAYDB	RXYQ96AAYDB	RXYQ120AAYDB	RXYQ144AAYDB
Outdoor unit 1	RXYQ72AAYDB	RXYQ96AAYDB	RXYQ120AAYDB	RXYQ144AAYDB

Model name	RXYQ168AAYDB	RXYQ192AAYDB	RXYQ216AAYDB	RXYQ240AAYDB
Outdoor unit 1	RXYQ168AAYDB	RXYQ192AAYDB	RXYQ216AAYDB	RXYQ240AAYDB

Model name	RXYQ264AAYDB	RXYQ288AAYDB	RXYQ312AAYDB	RXYQ336AAYDB	RXYQ360AAYDB
Outdoor unit 1	RXYQ120AAYDB	RXYQ144AAYDB	RXYQ144AAYDB	RXYQ168AAYDB	RXYQ168AAYDB
Outdoor unit 2	RXYQ144AAYDB	RXYQ144AAYDB	RXYQ168AAYDB	RXYQ168AAYDB	RXYQ192AAYDB

Model name	RXYQ384AAYDB	RXYQ408AAYDB	RXYQ432AAYDB	RXYQ456AAYDB	RXYQ480AAYDB
Outdoor unit 1	RXYQ192AAYDB	RXYQ192AAYDB	RXYQ216AAYDB	RXYQ216AAYDB	RXYQ240AAYDB
Outdoor unit 2	RXYQ192AAYDB	RXYQ216AAYDB	RXYQ216AAYDB	RXYQ240AAYDB	RXYQ240AAYDB

1.2 Indoor Units

Capacity Range		0.5 ton	0.6 ton	0.8 ton	1 ton	1.25 ton	1.5 ton		2 ton	2.5 ton	3 ton	3.5 ton	4 ton	4.5 ton	5 ton	6 ton	8 ton	Power Supply, Standard
Capacity Index		5.8	7.5	9.5	12	15	18	20	24	30	36	42	48	54	60	72	96	
Ceiling mounted cassette (Round flow with sensing) type	FXFQ	—	07AA	09AA	12AA	15AA	18AA	—	24AA	30AA	36AA	—	48AA	54AA	—	—	—	VJU
VISTA™ 2 × 2 cassette unit	FXZQ	05TB	07TB	09TB	12TB	15TB	18TB	—	—	—	—	—	—	—	—	—	—	
4-way blow ceiling-suspended type	FXUQ	—	—	—	—	—	—	18PA	24PA	30PA	36PA	—	—	—	—	—	—	
One way blow cassette type	FXEQ	—	07P	09P	12P	15P	18P	—	24P	—	—	—	—	—	—	—	—	
Slim ceiling mounted duct type	FXDQ	—	07M	09M	12M	—	18M	—	24M	—	—	—	—	—	—	—	—	
MSP concealed ducted unit	FXSQ	05TB	07TB	09TB	12TB	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	—	—	
HSP concealed ducted unit	FXMQ	—	—	—	—	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	—	—	
Ceiling mounted duct type	FXMQ	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72TA	96TA	
Ceiling suspended type	FXHQ	—	—	—	12M	—	—	—	24M	—	36M	—	—	—	—	—	—	
Wall mounted type	FXAQ	—	07P	09P	12P	—	18P	—	24P	—	—	—	—	—	—	—	—	
Floor standing type	FXLQ	—	07M	09M	12M	—	18M	—	24M	—	—	—	—	—	—	—	—	
Concealed floor standing type	FXNQ	—	07M	09M	12M	—	18M	—	24M	—	—	—	—	—	—	—	—	
Air handling unit	FXTQ	—	—	09TB	12TB	—	18TB	—	24TB	30TB	36TB	42TB	48TB	54TB	60TB	—	—	VJUA
		—	—	09TB	12TB	—	18TB	—	24TB	30TB	36TB	42TB	48TB	54TB	60TB	—	—	VJUD
Cased coil unit	CXTQ	—	—	—	—	—	—	—	24TA	—	36TA	—	48TA	—	60TA	—	—	SBLU

1.3 Air Treatment Equipment

Outdoor Air Processing Unit

Series	Model name			Power supply, Standard
FXMQ	48MF	72MF	96MF	VJU

VJ: 1 phase, 208 / 230 V, 60 Hz
U(VJU): Standard symbol

Energy Recovery Ventilator (VAM series)

Series	Model name				Power supply, Standard
VAM	300G	470G	600G	1200G	VJU

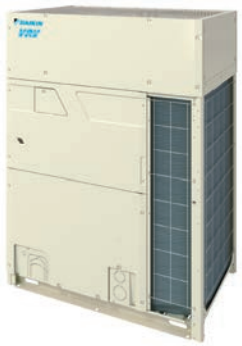
VJ: 1 phase, 208 / 230 V, 60 Hz
U(VJU): Standard symbol

2. External Appearance

2.1 Outdoor Units

Single Outdoor Units

RXYQ72AATJB	RXYQ72AAYDB
	
6 ton	

RXYQ96AATJB RXYQ120AATJB RXYQ144AATJB RXYQ168AATJB	RXYQ96AAYDB RXYQ120AAYDB RXYQ144AAYDB RXYQ168AAYDB
	
8, 10, 12, 14 ton	

RXYQ192AATJB RXYQ216AATJB RXYQ240AATJB	RXYQ192AAYDB RXYQ216AAYDB RXYQ240AAYDB
	
16, 18, 20 ton	

Double Outdoor Units

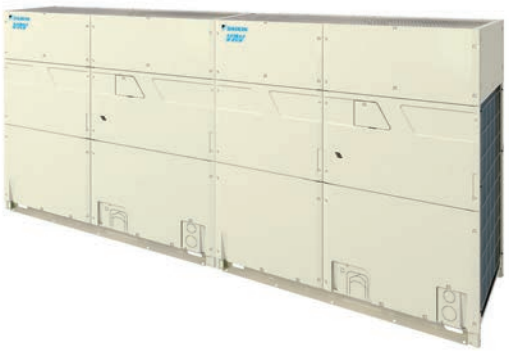
RXYQ264AATJB RXYQ288AATJB RXYQ312AATJB RXYQ336AATJB	RXYQ264AAYDB RXYQ288AAYDB RXYQ312AAYDB RXYQ336AAYDB

22, 24, 26, 28 ton

RXYQ360AATJB	RXYQ360AAYDB

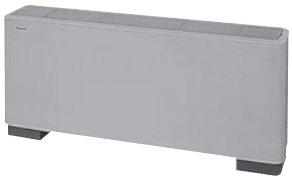
30 ton

RXYQ384AATJB RXYQ408AATJB RXYQ432AATJB RXYQ456AATJB RXYQ480AATJB	RXYQ384AAYDB RXYQ408AAYDB RXYQ432AAYDB RXYQ456AAYDB RXYQ480AAYDB

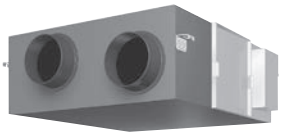


32, 34, 36, 38, 40 ton

2.2 Indoor Units

Ceiling mounted cassette (Round flow with sensing) type FXFQ-AA  Shown with BYCQ54EEFU	Ceiling mounted duct type FXMQ-TA 
VISTA™ 2 × 2 cassette unit FXZQ-TB 	Ceiling suspended type FXHQ-M 
4-way blow ceiling-suspended type FXUQ-PA 	Wall mounted type FXAQ-P
One way blow cassette type FXEQ-P 	Floor standing type FXLQ-M 
Slim ceiling mounted duct type FXDQ-M 	Concealed floor standing type FXNQ-M 
MSP concealed ducted unit FXSQ-TB 	Air handling unit FXTQ-TB 
HSP concealed ducted unit FXMQ-TB 	Cased coil unit CXTQ-TA 

2.3 Air Treatment Equipment

Outdoor air processing unit FXMQ-MF 	Energy recovery ventilator (VAM series) VAM-G 

3. Outdoor Unit Combination

Model name	System capacity			Number of units	Module							
	Ton	HP	kW		72	96	120	144	168	192	216	240
RXYQ72AATJB RXYQ72AAYDB	6	7.5	21.1	1	●							
RXYQ96AATJB RXYQ96AAYDB	8	10.0	28.1	1		●						
RXYQ120AATJB RXYQ120AAYDB	10	12.5	35.2	1			●					
RXYQ144AATJB RXYQ144AAYDB	12	15.0	42.2	1				●				
RXYQ168AATJB RXYQ168AAYDB	14	17.5	49.2	1					●			
RXYQ192AATJB RXYQ192AAYDB	16	20.0	56.3	1						●		
RXYQ216AATJB RXYQ216AAYDB	18	22.5	63.3	1							●	
RXYQ240AATJB RXYQ240AAYDB	20	25.0	70.3	1								●
RXYQ264AATJB RXYQ264AAYDB	22	27.5	77.4	2			●	●				
RXYQ288AATJB RXYQ288AAYDB	24	30.0	84.4	2				●●				
RXYQ312AATJB RXYQ312AAYDB	26	32.5	91.4	2				●	●			
RXYQ336AATJB RXYQ336AAYDB	28	35.0	98.5	2					●●			
RXYQ360AATJB RXYQ360AAYDB	30	37.5	105.5	2					●	●		
RXYQ384AATJB RXYQ384AAYDB	32	40.0	112.5	2						●●		
RXYQ408AATJB RXYQ408AAYDB	34	42.5	119.6	2						●	●	
RXYQ432AATJB RXYQ432AAYDB	36	45.0	126.6	2							●●	
RXYQ456AATJB RXYQ456AAYDB	38	47.5	133.6	2							●	●
RXYQ480AATJB RXYQ480AAYDB	40	50.0	140.6	2								●●

Note:

For multiple connection, the following kits are required;
- Outdoor unit multi connection piping kit: BHFP26P100U / BHFP26P100UA
- Reducer piping kit: KHFP26P100UA

4. Capacity Range

4.1 Connection Ratio

$$\text{Connection ratio} = \frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$$

Type		Min. connection ratio	Max. connection ratio					
		Types of connected outdoor units	Types of connected indoor units			Types of connected air treatment		Low-temperature hydrobox
		RXYQ-A type	When using only FXDQ, FXMQ-TB, FXAQ, FXSQ07-54T	When using at least one FXFQ07/09, FXZQ05T, FXSQ05T	When using other indoor unit models	When FXMQ-MF is only connected	When FXMQ-MF and indoor units are connected	When HXY48T and indoor units are connected
Single outdoor unit	6 - 14 ton	50%	200% *1	180% *1	200% *1	100%	100% *2	130% *3
	16 - 20 ton			180% *1	180% *1			
Double outdoor units				160% *1	160% *1			

Note:

*1. If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units. This limitation can be abolished through field setting.

*2. When outdoor-air processing units (FXMQ-MF) and standard indoor units are connected, the total connection capacity of the outdoor-air processing units (FXMQ-MF) must not exceed 30% of the capacity index of the outdoor units. And the connection ratio must not exceed 100%.

*3. When connecting the hydrobox, to prevent temporary water temperature drop on the secondary side of the hydrobox at the time of defrosting or when the indoor unit starts/stops, and to prevent freezing, connect the indoor unit with 50% or more capacity of the outdoor unit.

4.2 Capacity Range of Connectable Indoor Units

Type	Ton	Capacity index	Model name	Total capacity index of connectable indoor units *1	Maximum number of connectable indoor units
Single outdoor unit	6	72	RXYQ72AATJB RXYQ72AAYDB	36 to 93 (144)	12
	8	96	RXYQ96AATJB RXYQ96AAYDB	48 to 124 (192)	16
	10	120	RXYQ120AATJB RXYQ120AAYDB	60 to 156 (240)	20
	12	144	RXYQ144AATJB RXYQ144AAYDB	72 to 187 (288)	25
	14	168	RXYQ168AATJB RXYQ168AAYDB	84 to 218 (336)	29
	16	192	RXYQ192AATJB RXYQ192AAYDB	96 to 249 (384)	33
	18	216	RXYQ216AATJB RXYQ216AAYDB	108 to 280 (432)	37
	20	240	RXYQ240AATJB RXYQ240AAYDB	120 to 312 (480)	41
Double outdoor units	22	264	RXYQ264AATJB RXYQ264AAYDB	132 to 343 (528)	45
	24	288	RXYQ288AATJB RXYQ288AAYDB	144 to 374 (576)	49
	26	312	RXYQ312AATJB RXYQ312AAYDB	156 to 405 (624)	54
	28	336	RXYQ336AATJB RXYQ336AAYDB	168 to 436 (672)	58
	30	360	RXYQ360AATJB RXYQ360AAYDB	180 to 468 (720)	62
	32	384	RXYQ384AATJB RXYQ384AAYDB	192 to 499 (768)	64
	34	408	RXYQ408AATJB RXYQ408AAYDB	204 to 530 (816)	64
	36	432	RXYQ432AATJB RXYQ432AAYDB	216 to 561 (864)	64
	38	456	RXYQ456AATJB RXYQ456AAYDB	228 to 592 (912)	64
	40	480	RXYQ480AATJB RXYQ480AAYDB	240 to 624 (960)	64

Note:

*1. Values inside brackets are based on maximum connection ratio of indoor units rated at 200%.

3. Specification

1. Specifications

1.1 RXYQ-AATJB

RXYQ72 / 96 / 120AATJB

Outdoor unit model No.			RXYQ72AATJB	RXYQ96AATJB	RXYQ120AATJB
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	72,000 (21.1)	96,000 (28.1)	119,000 (34.9)
	Rated		69,000 (20.2)	92,000 (27.0)	114,000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	81,000 (23.7)	108,000 (31.7)	135,000 (39.6)
	Rated		69,000 (20.2)	92,000 (27.0)	110,000 (32.2)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 36-5/8 × 30-1/8 (1660 × 930 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	13.8	8.5 + 9.6	10.9 + 12.3
	Number of revolutions	r/min	4,062	3,990 + 4,524	5,124 + 5,814
	Motor output × Number of units	kW	4.23 × 1	(2.44 + 2.76) × 1	(3.13 + 3.55) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.95 × 1	0.65 × 2	0.65 × 2
	Airflow rate	cfm (m^3/min)	6,210 (175.8)	8,965 (253.9)	8,965 (253.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (9.5) C1220T (Brazing connection)	ϕ3/8 (9.5) C1220T (Brazing connection)	ϕ1/2 (12.7) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ7/8 (22.2) C1220T (Brazing connection)	ϕ1-1/8 (28.6) C1220T (Brazing connection)
Weight		lbs (kg)	496 (225)	683 (310)	683 (310)
Sound pressure level (reference data)		dB(A)	58	61	61
Sound power level (reference data)		dB	80	82	82
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	8 - 100	4 - 100	3 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	13.9 (6.3)	23.6 (10.7)	23.6 (10.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ144 / 168 / 192AATJB

Outdoor unit model No.			RXYQ144AATJB	RXYQ168AATJB	RXYQ192AATJB
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	144,000 (42.2)	162,000 (47.5)	192,000 (56.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
★2 Heating capacity	Nominal	Btu/h (kW)	162,000 (47.5)	189,000 (55.4)	216,000 (63.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)	65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	11.5 + 17.4	12.8 + 19.5	15.4 + 16.4
	Number of revolutions	r/min	5,424 + 5,124	6,066 + 5,766	4,542 + 4,842
	Motor output × Number of units	kW	(3.31 + 5.34) × 1	(3.71 + 6.01) × 1	(4.73 + 5.04) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.65 × 2	0.65 × 2	0.95 × 2
	Airflow rate	cfm (m^3/min)	9,935 (281.3)	9,935 (281.3)	13,665 (386.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ1/2 (12.7) C1220T (Brazing connection)	ϕ5/8 (15.9) C1220T (Brazing connection)	ϕ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-1/8 (28.6) C1220T (Brazing connection)
Weight		lbs (kg)	750 (340)	750 (340)	904 (410)
Sound pressure level (reference data)		dB(A)	65	65	67
Sound power level (reference data)		dB	85	85	88
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	3 - 100	2 - 100	4 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ216 / 240AATJB

Outdoor unit model No.			RXYQ216AATJB	RXYQ240AATJB
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	216,000 (63.3)	238,000 (69.8)
	Rated		206,000 (60.4)	228,000 (66.8)
★2 Heating capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)
	Rated		206,000 (60.4)	220,000 (64.5)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	17.5 + 18.5	19.1 + 20.1
	Number of revolutions	r/min	5,166 + 5,466	5,628 + 5,934
	Motor output × Number of units	kW	(5.38 + 5.69) × 1	(5.86 + 6.18) × 1
	Starting method		Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan
	Motor output	kW	0.95 × 2	0.95 × 2
	Airflow rate	cfm (m^3/min)	14,510 (410.8)	14,510 (410.8)
	Drive		Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ5/8 (15.9) C1220T (Brazing connection)	ϕ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	904 (410)	904 (410)
Sound pressure level (reference data)		dB(A)	68	69
Sound power level (reference data)		dB	90	90
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer
Capacity control		%	3 - 100	3 - 100
Refrigerant	Refrigerant name		R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ264 / 288 / 312AATJB

Outdoor unit model No. (Combination unit)			RXYQ264AATJB	RXYQ288AATJB	RXYQ312AATJB
Outdoor unit model No.(Independent unit)			RXYQ120AATJB	RXYQ144AATJB	RXYQ144AATJB
			RXYQ144AATJB	RXYQ144AATJB	RXYQ168AATJB
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	264,000 (77.4)	286,000 (83.8)	310,000 (90.9)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
★2 Heating capacity	Nominal	Btu/h (kW)	297,000 (87.0)	324,000 (95.0)	351,000 (103)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	(10 + 11.3) + (11 + 16.6)	(10.4 + 15.6) + (10.4 + 15.6)	(11.5 + 17.4) + (11.5 + 17.4)
	Number of revolutions	r/min	(4,716 + 5,346) + (5,202 + 4,902)	(4,914 + 4,614) + (4,914 + 4,614)	(5,424 + 5,124) + (5,424 + 5,124)
	Motor output × Number of units	kW	(2.88 + 3.27) × 1 + (3.18 + 5.11) × 1	(3.00 + 4.81) × 1 + (3.00 + 4.81) × 1	(3.31 + 5.34) × 1 + (3.31 + 5.34) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.65 × 2 +0.65 × 2	0.65 × 2 +0.65 × 2	0.65 × 2 +0.65 × 2
	Airflow rate	cfm (m^3/min)	8,965 (253.9)+9,935 (281.3)	9,935 (281.3)+9,935 (281.3)	9,935 (281.3)+9,935 (281.3)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	683 (310)+750 (340)	750 (340)+750 (340)	750 (340)+750 (340)
Sound pressure level (reference data)		dB(A)	67	69	69
Sound power level (reference data)		dB	88	89	89
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	1 - 100	1 - 100	1 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	23.6 (10.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ336 / 360 / 384AATJB

Outdoor unit model No. (Combination unit)			RXYQ336AATJB	RXYQ360AATJB	RXYQ384AATJB
Outdoor unit model No.(Independent unit)			RXYQ168AATJB	RXYQ168AATJB	RXYQ192AATJB
			RXYQ168AATJB	RXYQ192AATJB	RXYQ192AATJB
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	330,000 (96.7)	358,000 (105)	382,000 (112)
	Rated		316,000 (92.6)	342,000 (100)	364,000 (107)
★2 Heating capacity	Nominal	Btu/h (kW)	378,000 (111)	405,000 (119)	432,000 (127)
	Rated		310,000 (90.9)	342,000 (100)	364,000 (107)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 × 1240 × 765 + 1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	(13 + 19.8) + (13 + 19.8)	(12 + 18.1) + (18.6 + 19.6)	(16.1 + 17.1) + (16.1 + 17.1)
	Number of revolutions	r/min	(6,150 + 5,850) + (6,150 + 5,850)	(5,652 + 5,352) + (5,472 + 5,772)	(4,740 + 5,040) + (4,740 + 5,040)
	Motor output × Number of units	kW	(3.76 + 6.09) × 1 + (3.76 + 6.09) × 1	(3.45 + 5.58) × 1 + (5.70 + 6.01) × 1	(4.94 + 5.25) × 1 + (4.94 + 5.25) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.65 × 2 +0.65 × 2	0.65 × 2 +0.95 × 2	0.95 × 2 +0.95 × 2
	Airflow rate	cfm (m^3/min)	9,935 (281.3)+9,935 (281.3)	9,935 (281.3)+13,665 (386.9)	13,665 (386.9)+13,665 (386.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)
Weight		lbs (kg)	750 (340)+750 (340)	750 (340)+904 (410)	904 (410)+904 (410)
Sound pressure level (reference data)		dB(A)	69	70	71
Sound power level (reference data)		dB	89	91	93
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	1 - 100	1 - 100	1 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ408 / 432 / 456AATJB

Outdoor unit model No. (Combination unit)			RXYQ408AATJB	RXYQ432AATJB	RXYQ456AATJB
Outdoor unit model No.(Independent unit)			RXYQ192AATJB	RXYQ216AATJB	RXYQ216AATJB
			RXYQ216AATJB	RXYQ216AATJB	RXYQ240AATJB
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	406,000 (119)	424,000 (124)	444,000 (130)
	Rated		388,000 (114)	404,000 (118)	424,000 (124)
★2 Heating capacity	Nominal	Btu/h (kW)	459,000 (135)	486,000 (142)	513,000 (150)
	Rated		388,000 (114)	404,000 (118)	414,000 (121)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	(17.3 + 18.3) + (18.8 + 19.8)	(19.1 + 20.1) + (19.1 + 20.1)	(19.6 + 20.7) + (19.6 + 20.7)
	Number of revolutions	r/min	(5,094 + 5,394) + (5,550 + 5,850)	(5,628 + 5,934) + (5,628 + 5,934)	(5,790 + 6,096) + (5,790 + 6,096)
	Motor output × Number of units	kW	(5.31 + 5.62) × 1 + (5.78 + 6.09) × 1	(5.86 + 6.18) × 1 + (5.86 + 6.18) × 1	(6.03 + 6.35) × 1 + (6.03 + 6.35) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.95 × 2 +0.95 × 2	0.95 × 2 +0.95 × 2	0.95 × 2 +0.95 × 2
	Airflow rate	cfm (m^3/min)	13,665 (386.9)+14,510 (410.8)	14,510 (410.8)+14,510 (410.8)	14,510 (410.8)+14,510 (410.8)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)
Weight		lbs (kg)	904 (410)+904 (410)	904 (410)+904 (410)	904 (410)+904 (410)
Sound pressure level (reference data)		dB(A)	71	72	72
Sound power level (reference data)		dB	94	95	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	1 - 100	1 - 100	1 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ480AATJB

Outdoor unit model No. (Combination unit)			RXYQ480AATJB
Outdoor unit model No.(Independent unit)			RXYQ240AATJB
			RXYQ240AATJB
Power supply			3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	456,000 (134)
	Rated		436,000 (128)
★2 Heating capacity	Nominal	Btu/h (kW)	540,000 (158)
	Rated		424,000 (124)
Casing color			Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)
Heat exchanger			Cross fin coil
Compressor	Type		Hermetically sealed scroll type
	Volume	m^3/h	(20.8 + 21.8) + (20.8 + 21.8)
	Number of revolutions	r/min	(6,132 + 6,432) + (6,132 + 6,432)
	Motor output × Number of units	kW	(6.39 + 6.70) × 1 + (6.39 + 6.70) × 1
	Starting method		Soft start
Fan	Type		Propeller fan
	Motor output	kW	0.95 × 2 +0.95 × 2
	Airflow rate	cfm (m^3/min)	14,510 (410.8)+14,510 (410.8)
	Drive		Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (Brazing connection)
Weight		lbs (kg)	904 (410)+904 (410)
Sound pressure level (reference data)		dB(A)	73
Sound power level (reference data)		dB	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer
Capacity control		%	1 - 100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

1.2 RXYQ-AAYDB

RXYQ72 / 96 / 120AAYDB

Outdoor unit model No.			RXYQ72AAYDB	RXYQ96AAYDB	RXYQ120AAYDB
Power supply			3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	72,000 (21.1)	96,000 (28.1)	119,000 (34.9)
	Rated		69,000 (20.2)	92,000 (27.0)	114,000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	81,000 (23.7)	108,000 (31.7)	135,000 (39.6)
	Rated		69,000 (20.2)	92,000 (27.0)	110,000 (32.2)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 36-5/8 × 30-1/8 (1660 × 930 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	13.8	8.5 + 9.6	10.9 + 12.3
	Number of revolutions	r/min	4,062	3,990 + 4,524	5,124 + 5,814
	Motor output × Number of units	kW	4.23 × 1	(2.44 + 2.76) × 1	(3.13 + 3.55) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.95 × 1	0.65 × 2	0.65 × 2
	Airflow rate	cfm (m^3/min)	6,210 (175.8)	8,965 (253.9)	8,965 (253.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (9.5) C1220T (Brazing connection)	ϕ3/8 (9.5) C1220T (Brazing connection)	ϕ1/2 (12.7) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ7/8 (22.2) C1220T (Brazing connection)	ϕ1-1/8 (28.6) C1220T (Brazing connection)
Weight		lbs (kg)	507 (230)	694 (315)	694 (315)
Sound pressure level (reference data)		dB(A)	58	61	61
Sound power level (reference data)		dB	80	82	82
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	8 - 100	4 - 100	3 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	13.9 (6.3)	23.6 (10.7)	23.6 (10.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ144 / 168 / 192AAYDB

Outdoor unit model No.			RXYQ144AAYDB	RXYQ168AAYDB	RXYQ192AAYDB
Power supply			3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	144,000 (42.2)	162,000 (47.5)	192,000 (56.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
★2 Heating capacity	Nominal	Btu/h (kW)	162,000 (47.5)	189,000 (55.4)	216,000 (63.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765)	65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	11.5 + 17.4	12.8 + 19.5	15.4 + 16.4
	Number of revolutions	r/min	5,424 + 5,124	6,066 + 5,766	4,542 + 4,842
	Motor output × Number of units	kW	(3.31 + 5.34) × 1	(3.71 + 6.01) × 1	(4.73 + 5.04) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.65 × 2	0.65 × 2	0.95 × 2
	Airflow rate	cfm (m^3/min)	9,935 (281.3)	9,935 (281.3)	13,665 (386.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ1/2 (12.7) C1220T (Brazing connection)	ϕ5/8 (15.9) C1220T (Brazing connection)	ϕ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-1/8 (28.6) C1220T (Brazing connection)
Weight		lbs (kg)	761 (345)	761 (345)	915 (415)
Sound pressure level (reference data)		dB(A)	65	65	67
Sound power level (reference data)		dB	85	85	88
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	3 - 100	2 - 100	4 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ216 / 240AAYDB

Outdoor unit model No.			RXYQ216AAYDB	RXYQ240AAYDB
Power supply			3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	216,000 (63.3)	238,000 (69.8)
	Rated		206,000 (60.4)	228,000 (66.8)
★2 Heating capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)
	Rated		206,000 (60.4)	220,000 (64.5)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	17.5 + 18.5	19.1 + 20.1
	Number of revolutions	r/min	5,166 + 5,466	5,628 + 5,934
	Motor output × Number of units	kW	(5.38 + 5.69) × 1	(5.86 + 6.18) × 1
	Starting method		Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan
	Motor output	kW	0.95 × 2	0.95 × 2
	Airflow rate	cfm (m^3/min)	14,510 (410.8)	14,510 (410.8)
	Drive		Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ5/8 (15.9) C1220T (Brazing connection)	ϕ5/8 (15.9) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	915 (415)	915 (415)
Sound pressure level (reference data)		dB(A)	68	69
Sound power level (reference data)		dB	90	90
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer
Capacity control		%	3 - 100	3 - 100
Refrigerant	Refrigerant name		R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ264 / 288 / 312AAYDB

Outdoor unit model No. (Combination unit)			RXYQ264AAYDB	RXYQ288AAYDB	RXYQ312AAYDB
Outdoor unit model No.(Independent unit)			RXYQ120AAYDB	RXYQ144AAYDB	RXYQ144AAYDB
			RXYQ144AAYDB	RXYQ144AAYDB	RXYQ168AAYDB
Power supply			3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	264,000 (77.4)	286,000 (83.8)	310,000 (90.9)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
★2 Heating capacity	Nominal	Btu/h (kW)	297,000 (87.0)	324,000 (95.0)	351,000 (103)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	(10 + 11.3) + (11 + 16.6)	(10.4 + 15.6) + (10.4 + 15.6)	(11.5 + 17.4) + (11.5 + 17.4)
	Number of revolutions	r/min	(4,716 + 5,346) + (5,202 + 4,902)	(4,914 + 4,614) + (4,914 + 4,614)	(5,424 + 5,124) + (5,424 + 5,124)
	Motor output × Number of units	kW	(2.88 + 3.27) × 1 + (3.18 + 5.11) × 1	(3.00 + 4.81) × 1 + (3.00 + 4.81) × 1	(3.31 + 5.34) × 1 + (3.31 + 5.34) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.65 × 2 +0.65 × 2	0.65 × 2 +0.65 × 2	0.65 × 2 +0.65 × 2
	Airflow rate	cfm (m^3/min)	8,965 (253.9)+9,935 (281.3)	9,935 (281.3)+9,935 (281.3)	9,935 (281.3)+9,935 (281.3)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	694 (315)+761 (345)	761 (345)+761 (345)	761 (345)+761 (345)
Sound pressure level (reference data)		dB(A)	67	69	69
Sound power level (reference data)		dB	88	89	89
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	1 - 100	1 - 100	1 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	23.6 (10.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ336 / 360 /384AAYDB

Outdoor unit model No. (Combination unit)			RXYQ336AAYDB	RXYQ360AAYDB	RXYQ384AAYDB
Outdoor unit model No.(Independent unit)			RXYQ168AAYDB	RXYQ168AAYDB	RXYQ192AAYDB
			RXYQ168AAYDB	RXYQ192AAYDB	RXYQ192AAYDB
Power supply			3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	330,000 (96.7)	358,000 (105)	382,000 (112)
	Rated		316,000 (92.6)	342,000 (100)	364,000 (107)
★2 Heating capacity	Nominal	Btu/h (kW)	378,000 (111)	405,000 (119)	432,000 (127)
	Rated		310,000 (90.9)	342,000 (100)	364,000 (107)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1660 × 1240 × 765 + 1660 × 1240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 × 1240 × 765 + 1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	(13 + 19.8) + (13 + 19.8)	(12 + 18.1) + (18.6 + 19.6)	(16.1 + 17.1) + (16.1 + 17.1)
	Number of revolutions	r/min	(6,150 + 5,850) + (6,150 + 5,850)	(5,652 + 5,352) + (5,472 + 5,772)	(4,740 + 5,040) + (4,740 + 5,040)
	Motor output × Number of units	kW	(3.76 + 6.09) × 1 + (3.76 + 6.09) × 1	(3.45 + 5.58) × 1 + (5.70 + 6.01) × 1	(4.94 + 5.25) × 1 + (4.94 + 5.25) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.65 × 2 +0.65 × 2	0.65 × 2 +0.95 × 2	0.95 × 2 +0.95 × 2
	Airflow rate	cfm (m^3/min)	9,935 (281.3)+9,935 (281.3)	9,935 (281.3)+13,665 (386.9)	13,665 (386.9)+13,665 (386.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)
Weight		lbs (kg)	761 (345)+761 (345)	761 (345)+915 (415)	915 (415)+915 (415)
Sound pressure level (reference data)		dB(A)	69	70	71
Sound power level (reference data)		dB	89	91	93
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	1 - 100	1 - 100	1 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ408 / 432 / 456AAYDB

Outdoor unit model No. (Combination unit)			RXYQ408AAYDB	RXYQ432AAYDB	RXYQ456AAYDB
Outdoor unit model No.(Independent unit)			RXYQ192AAYDB	RXYQ216AAYDB	RXYQ216AAYDB
			RXYQ216AAYDB	RXYQ216AAYDB	RXYQ240AAYDB
Power supply			3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V	3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	406,000 (119)	424,000 (124)	444,000 (130)
	Rated		388,000 (114)	404,000 (118)	424,000 (124)
★2 Heating capacity	Nominal	Btu/h (kW)	459,000 (135)	486,000 (142)	513,000 (150)
	Rated		388,000 (114)	404,000 (118)	414,000 (121)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m^3/h	(17.3 + 18.3) + (18.8 + 19.8)	(19.1 + 20.1) + (19.1 + 20.1)	(19.6 + 20.7) + (19.6 + 20.7)
	Number of revolutions	r/min	(5,094 + 5,394) + (5,550 + 5,850)	(5,628 + 5,934) + (5,628 + 5,934)	(5,790 + 6,096) + (5,790 + 6,096)
	Motor output × Number of units	kW	(5.31 + 5.62) × 1 + (5.78 + 6.09) × 1	(5.86 + 6.18) × 1 + (5.86 + 6.18) × 1	(6.03 + 6.35) × 1 + (6.03 + 6.35) × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.95 × 2 +0.95 × 2	0.95 × 2 +0.95 × 2	0.95 × 2 +0.95 × 2
	Airflow rate	cfm (m^3/min)	13,665 (386.9)+14,510 (410.8)	14,510 (410.8)+14,510 (410.8)	14,510 (410.8)+14,510 (410.8)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)	ϕ1-5/8 (41.3) C1220T (Brazing connection)
Weight		lbs (kg)	915 (415)+915 (415)	915 (415)+915 (415)	915 (415)+915 (415)
Sound pressure level (reference data)		dB(A)	71	72	72
Sound power level (reference data)		dB	94	95	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	1 - 100	1 - 100	1 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps	Installation manual, Operation manual, Connection pipes, Clamps

Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

RXYQ480AAYDB

Outdoor unit model No. (Combination unit)			RXYQ480AAYDB
Outdoor unit model No.(Independent unit)			RXYQ240AAYDB
			RXYQ240AAYDB
Power supply			3 phase, 60 Hz, 460 V
★1 Cooling capacity	Nominal	Btu/h (kW)	456,000 (134)
	Rated		436,000 (128)
★2 Heating capacity	Nominal	Btu/h (kW)	540,000 (158)
	Rated		424,000 (124)
Casing color			Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1660 x 1750 x 765 + 1660 x 1750 x 765)
Heat exchanger			Cross fin coil
Compressor	Type		Hermetically sealed scroll type
	Volume	m^3/h	(20.8 + 21.8) + (20.8 + 21.8)
	Number of revolutions	r/min	(6,132 + 6,432) + (6,132 + 6,432)
	Motor output × Number of units	kW	(6.39 + 6.70) × 1 + (6.39 + 6.70) × 1
	Starting method		Soft start
Fan	Type		Propeller fan
	Motor output	kW	0.95 × 2 +0.95 × 2
	Airflow rate	cfm (m^3/min)	14,510 (410.8)+14,510 (410.8)
	Drive		Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (Brazing connection)
Weight		lbs (kg)	915 (415)+915 (415)
Sound pressure level (reference data)		dB(A)	73
Sound power level (reference data)		dB	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer
Capacity control		%	1 - 100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps

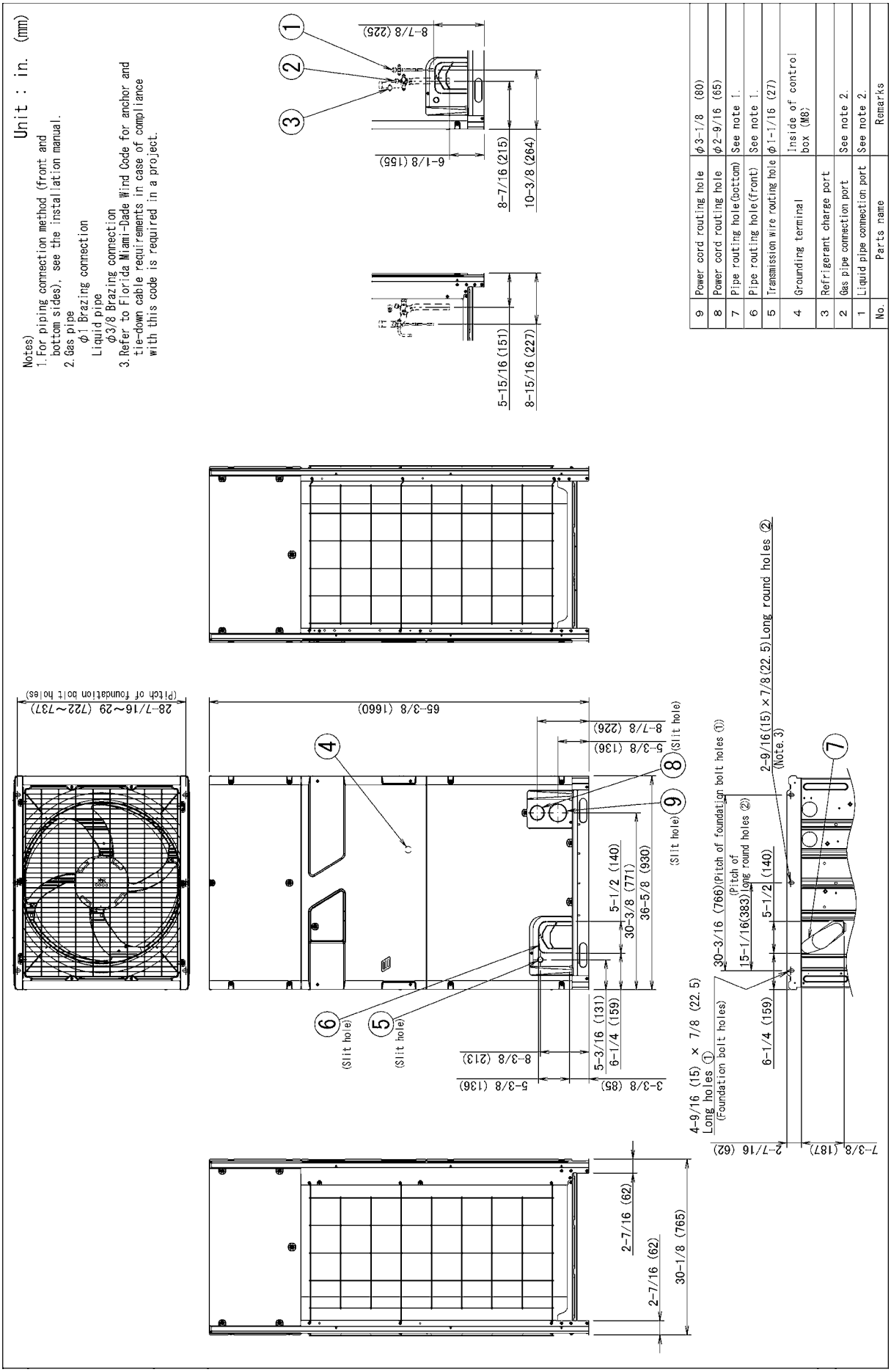
Note: ★1. Indoor temp.: 80° FDB (26.7° CDB), 67° FWB (19.4° CWB) / Outdoor temp.: 95° FDB (35.0° CDB) / Rated capacity is certified under AHRI standard 1230.

★2. Indoor temp.: 70° FDB (21.1° CDB) / Outdoor temp.: 47° FDB (8.3° CDB), 43° FWB (6.1° CWB) / Rated capacity is certified under AHRI standard 1230.

2. Dimensions

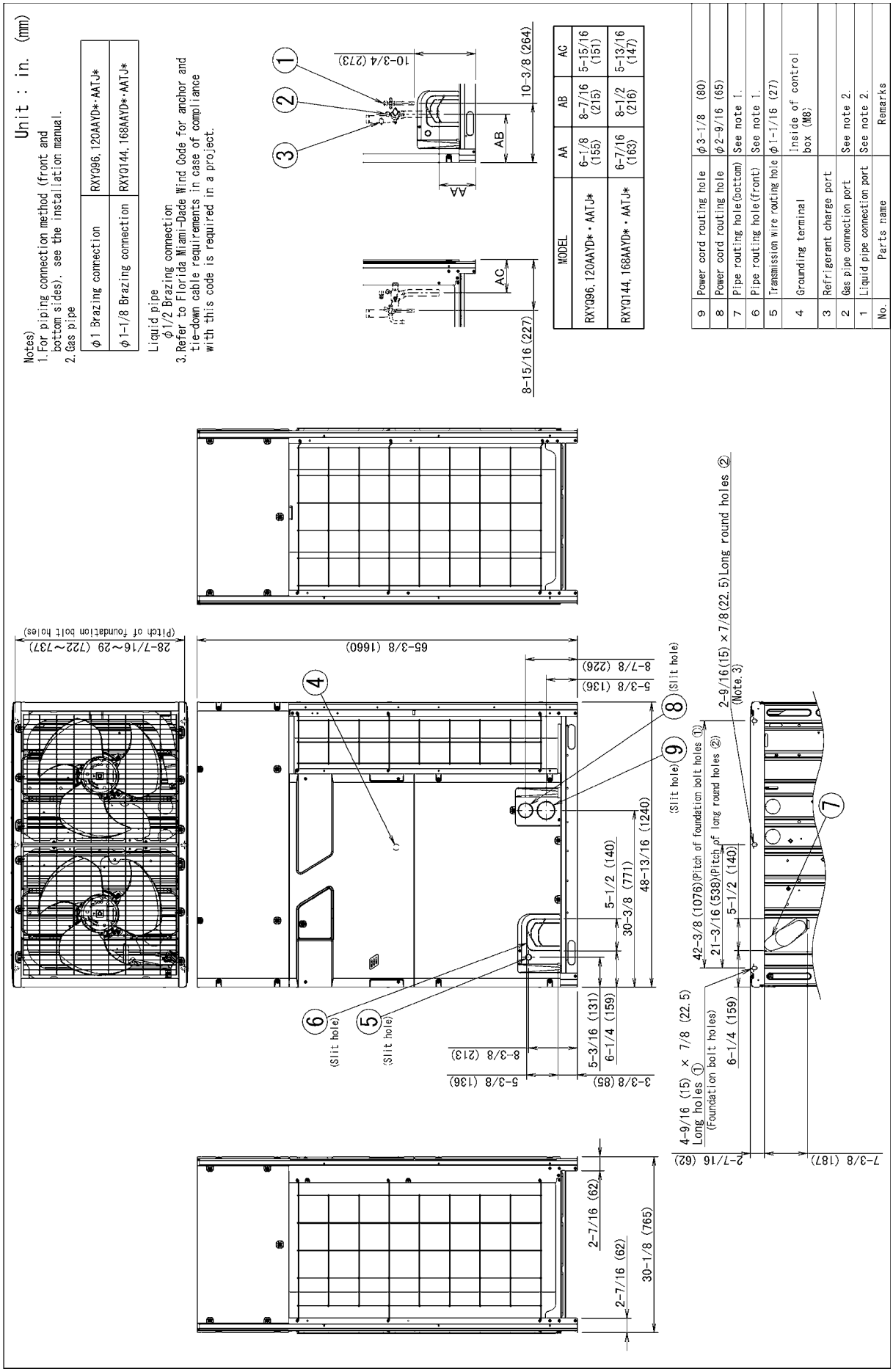
2.1 RXYQ-AATJB

RXYQ72AATJB / AAYDB



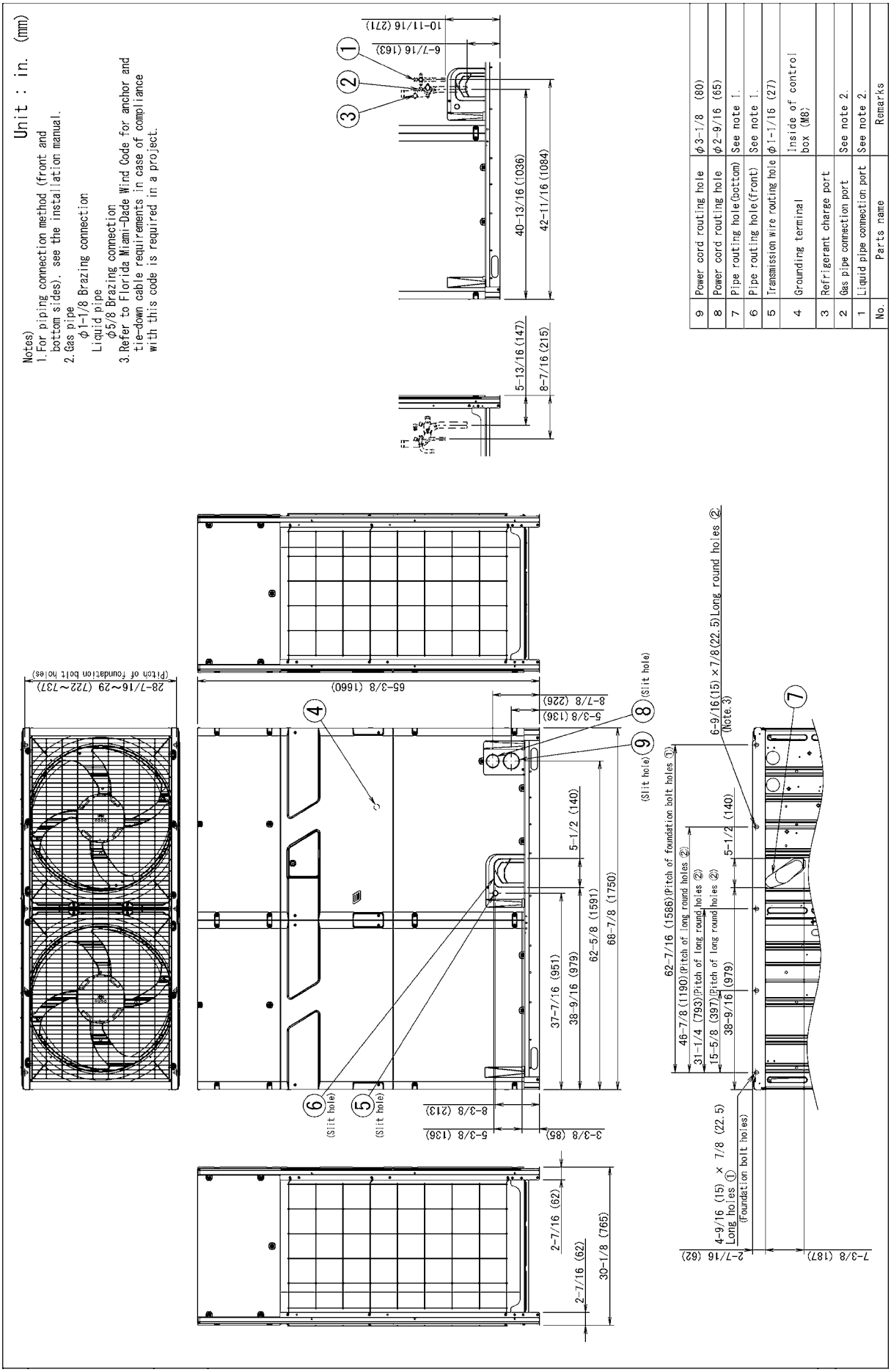
3D144735

RXYQ96 / 120 / 144 / 168AATJB / AAYDB

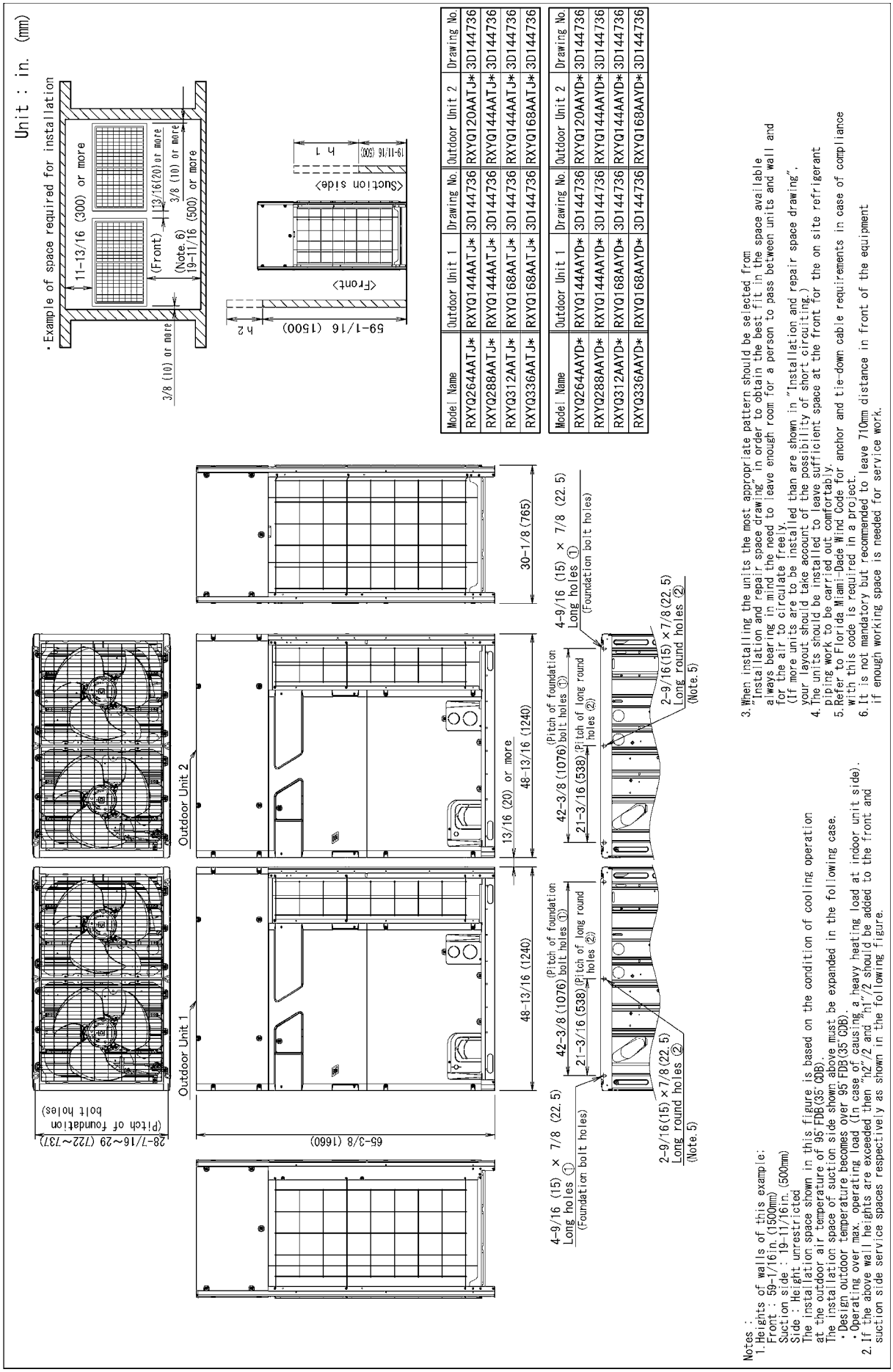


3D144736A

RXYQ192 / 216 / 240AATJB / AAYDB



RXYQ264 / 288 / 312 / 336AATJB / AAYDB

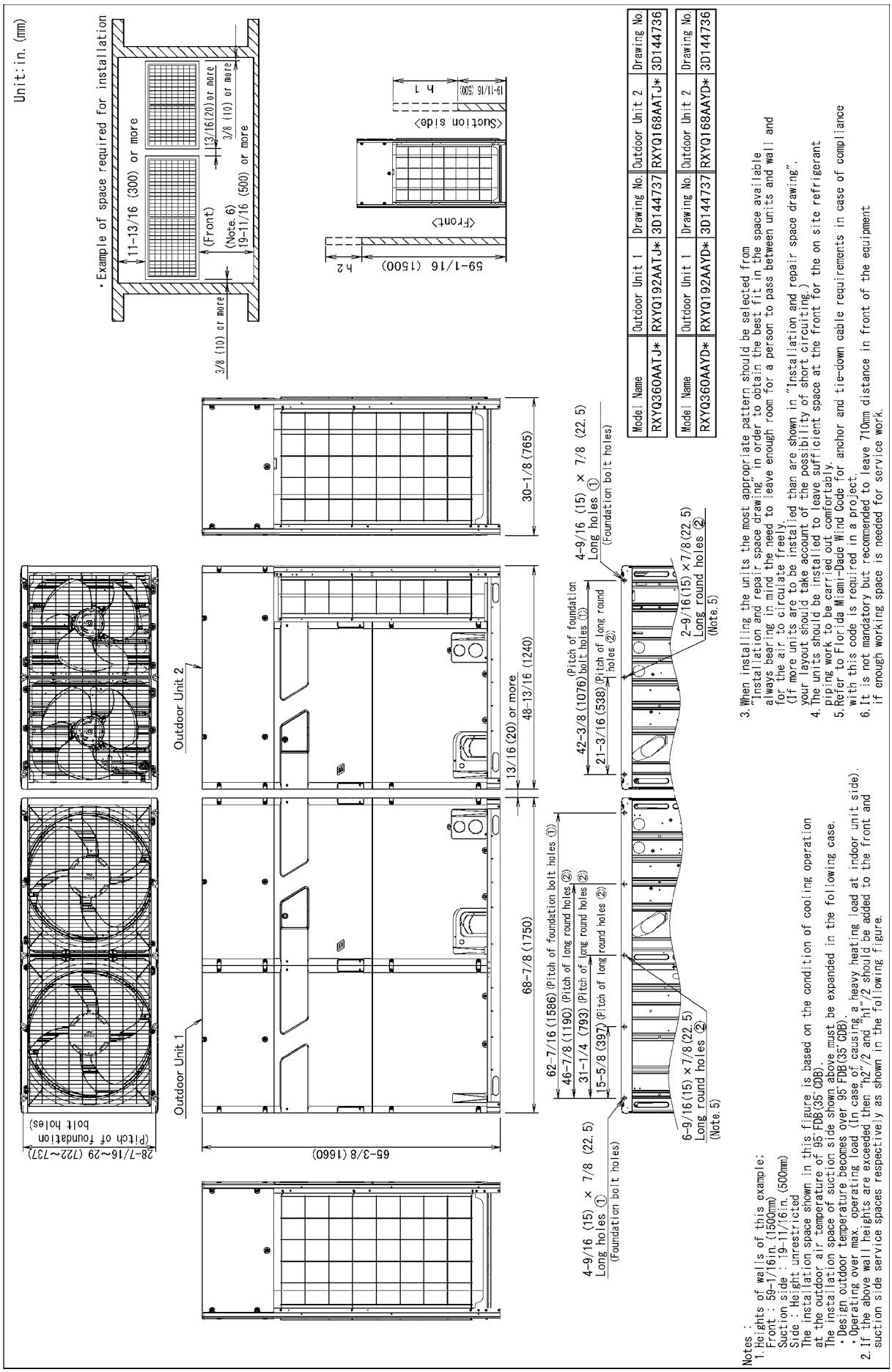


Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ264AATJ*	RXYQ144AATJ*	3D144736	RXYQ120AATJ*	3D144736
RXYQ288AATJ*	RXYQ144AATJ*	3D144736	RXYQ144AATJ*	3D144736
RXYQ312AATJ*	RXYQ168AATJ*	3D144736	RXYQ144AATJ*	3D144736
RXYQ336AATJ*	RXYQ168AATJ*	3D144736	RXYQ168AATJ*	3D144736

Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ264AAYD*	RXYQ144AAYD*	3D144736	RXYQ120AAYD*	3D144736
RXYQ288AAYD*	RXYQ144AAYD*	3D144736	RXYQ144AAYD*	3D144736
RXYQ312AAYD*	RXYQ168AAYD*	3D144736	RXYQ144AAYD*	3D144736
RXYQ336AAYD*	RXYQ168AAYD*	3D144736	RXYQ168AAYD*	3D144736

Notes :
1. Heights of walls of this example:
   Front : 59-1/16in.(1500mm)
   Suction side : 19-11/16in. (500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB(35°CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95°FDB(35°CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side).
2. If the above wall heights are exceeded then "h2"/2 and "h1"/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. Refer to Florida Miami-Dade Wind Code for anchor and tie-down cable requirements in case of compliance with this code is required in a project.
6. It is not mandatory but recommended to leave 710mm distance in front of the equipment if enough working space is needed for service work.

RXYQ360AATJB / AAYDB

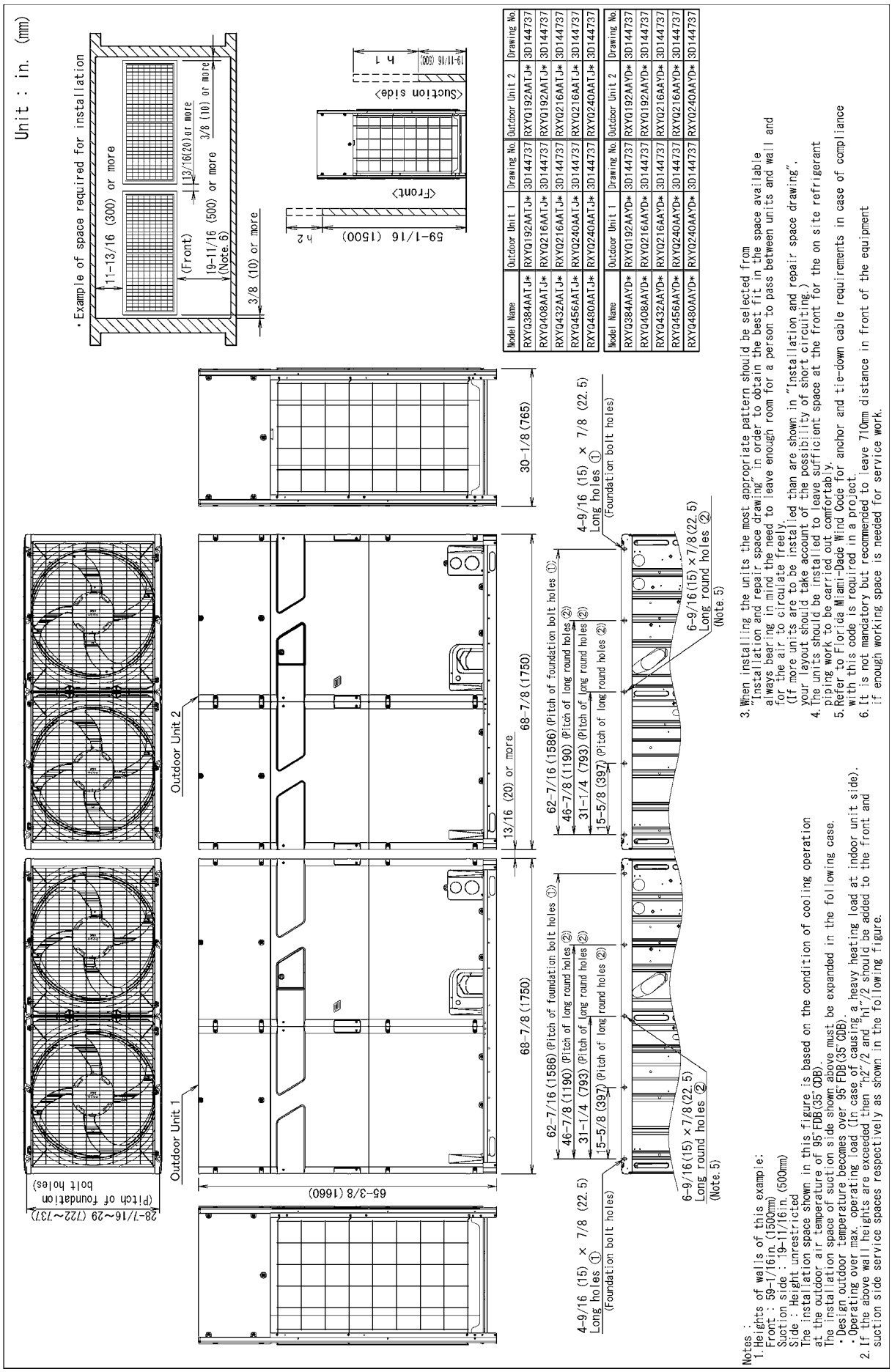


Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ360AATJ*	RXYQ192AATJ*	3D144737	RXYQ168AATJ*	3D144736

Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ360AAYD*	RXYQ192AAYD*	3D144737	RXYQ168AAYD*	3D144736

Notes.:
1. Heights of walls of this example;
   Front : 59-1/16in. (1500mm)
   Suction side : 19-11/16in. (500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95 FDB(35 CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95 FDB(35 CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side).
2. If the above wall heights are exceeded then "h2"/2 and "h1"/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. Refer to Florida Miami-Dade Wind Code for anchor and tie-down cable requirements in case of compliance with this code is required in a project.
6. It is not mandatory but recommended to leave 710mm distance in front of the equipment if enough working space is needed for service work.

RXYQ384 / 408 / 432 / 456 / 480AATJB / AAYDB



Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ384AATJ*	RXYQ192AATJ*	3D144737	RXYQ192AATJ*	3D144737
RXYQ408AATJ*	RXYQ216AATJ*	3D144737	RXYQ192AATJ*	3D144737
RXYQ432AATJ*	RXYQ216AATJ*	3D144737	RXYQ216AATJ*	3D144737
RXYQ456AATJ*	RXYQ240AATJ*	3D144737	RXYQ216AATJ*	3D144737
RXYQ480AATJ*	RXYQ240AATJ*	3D144737	RXYQ240AATJ*	3D144737

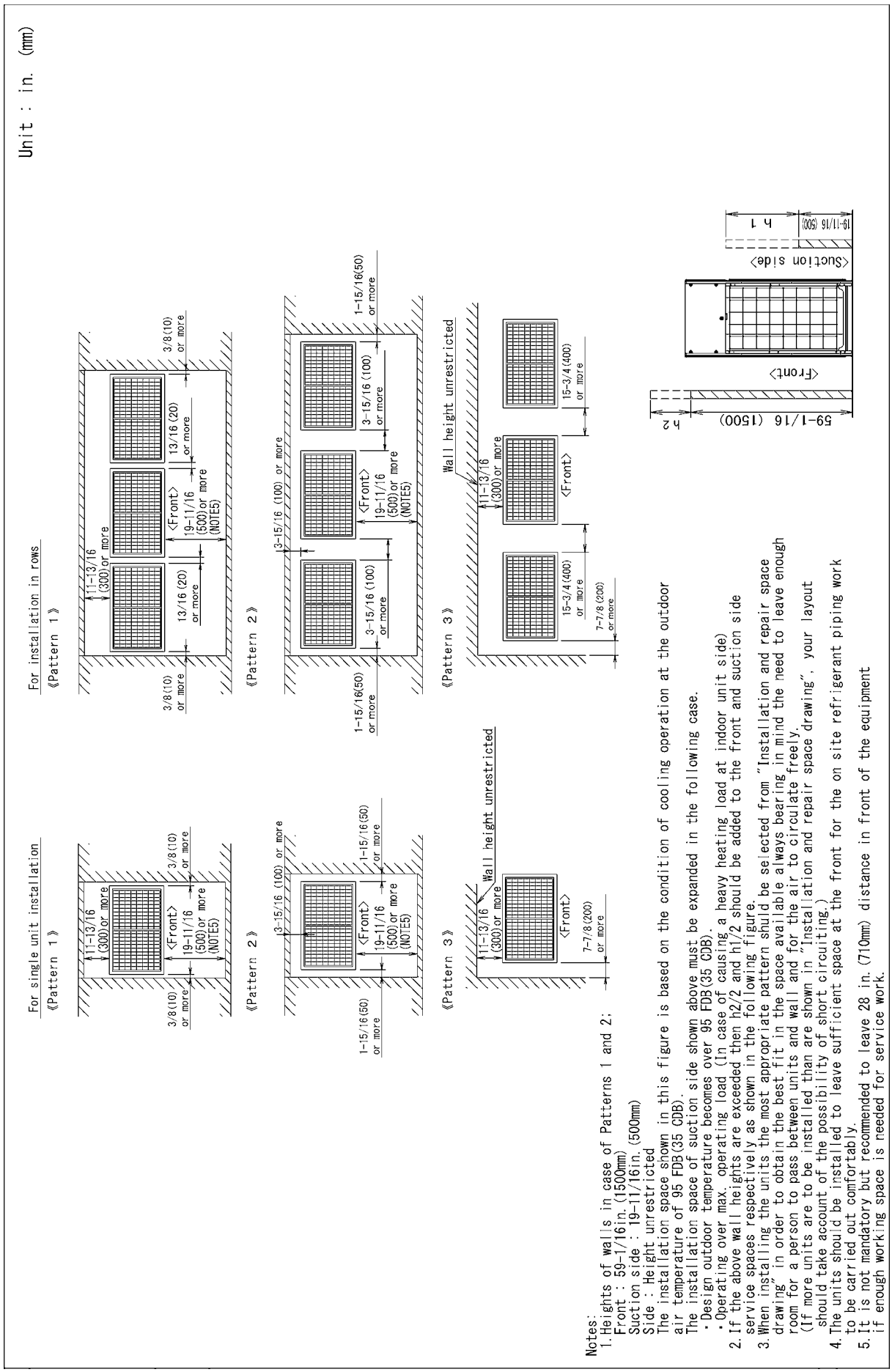
Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ384AAYD*	RXYQ192AAYD*	3D144737	RXYQ192AAYD*	3D144737
RXYQ408AAYD*	RXYQ216AAYD*	3D144737	RXYQ192AAYD*	3D144737
RXYQ432AAYD*	RXYQ216AAYD*	3D144737	RXYQ216AAYD*	3D144737
RXYQ456AAYD*	RXYQ240AAYD*	3D144737	RXYQ216AAYD*	3D144737
RXYQ480AAYD*	RXYQ240AAYD*	3D144737	RXYQ240AAYD*	3D144737

Notes :
1. Heights of walls of this example:
   Front : 59-1/16in. (1500mm)
   Suction side : 19-11/16in. (500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB(35°CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95°FDB(35°CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side).
2. If the above wall heights are exceeded then "h2"/2 and "h1"/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. Refer to Florida Miami-Dade Wind Code for anchor and tie-down cable requirements in case of compliance with this code is required in a project.
6. It is not mandatory but recommended to leave 710mm distance in front of the equipment if enough working space is needed for service work.

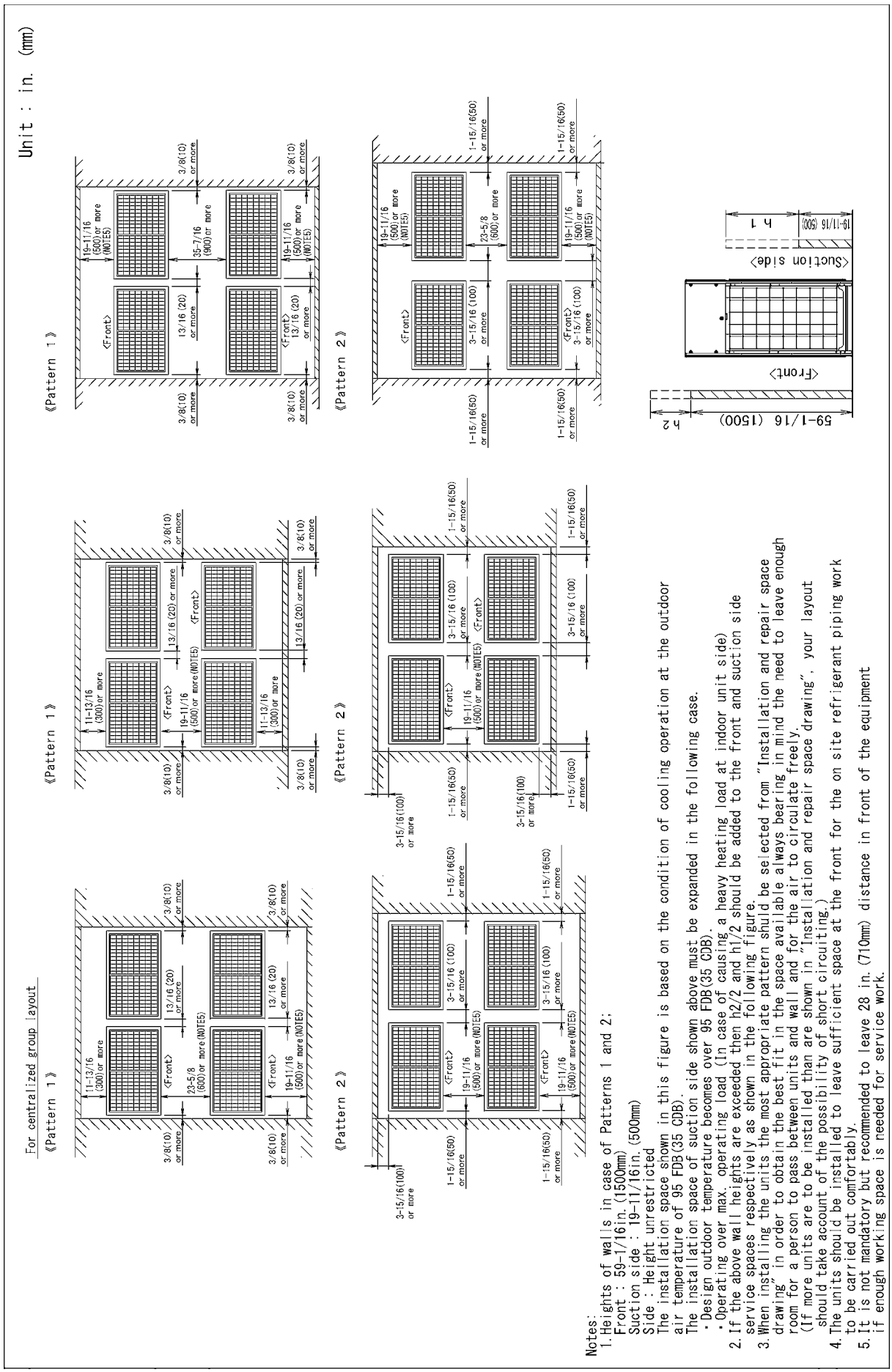
3. Service Space

3.1 RXYQ-AATJB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB / AAYDB



RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB / AAYDB



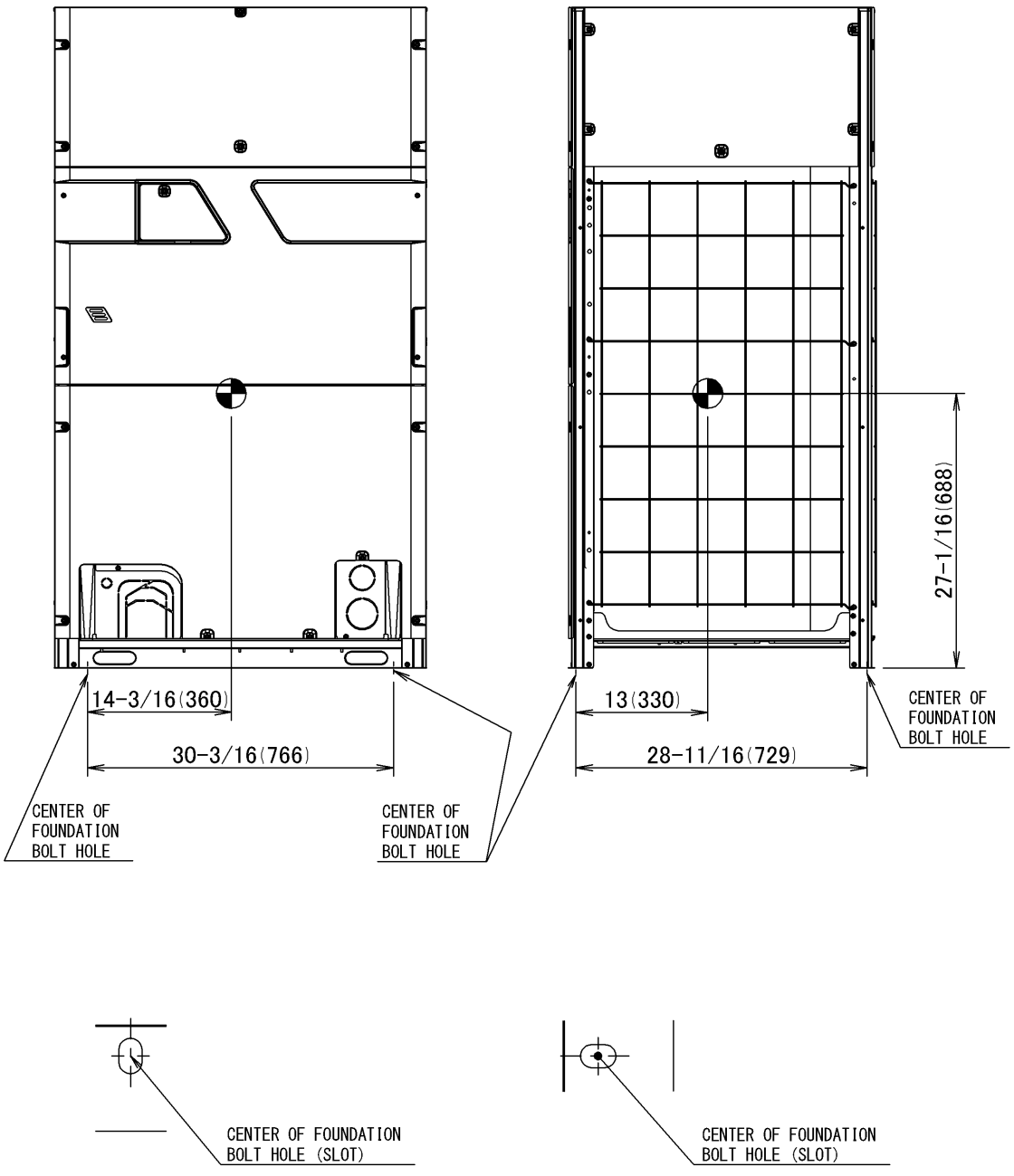
3D133774A

4. Center of Gravity

4.1 RXYQ-AATJB

RXYQ72AATJB / 72AAYDB

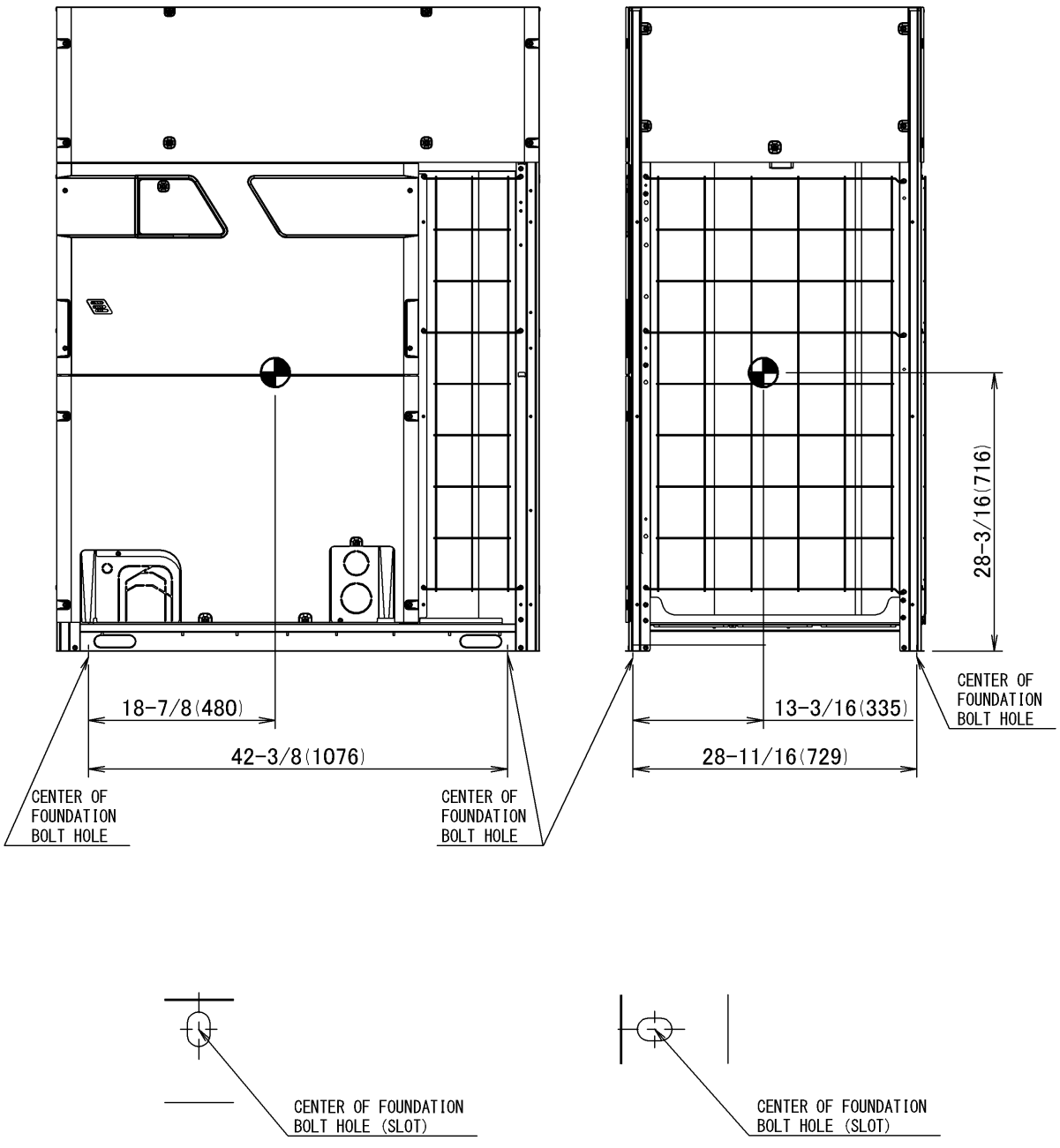
Unit : in. (mm)



4D145101

RXYQ96 / 120 / 144 / 168AATJB / AAYDB

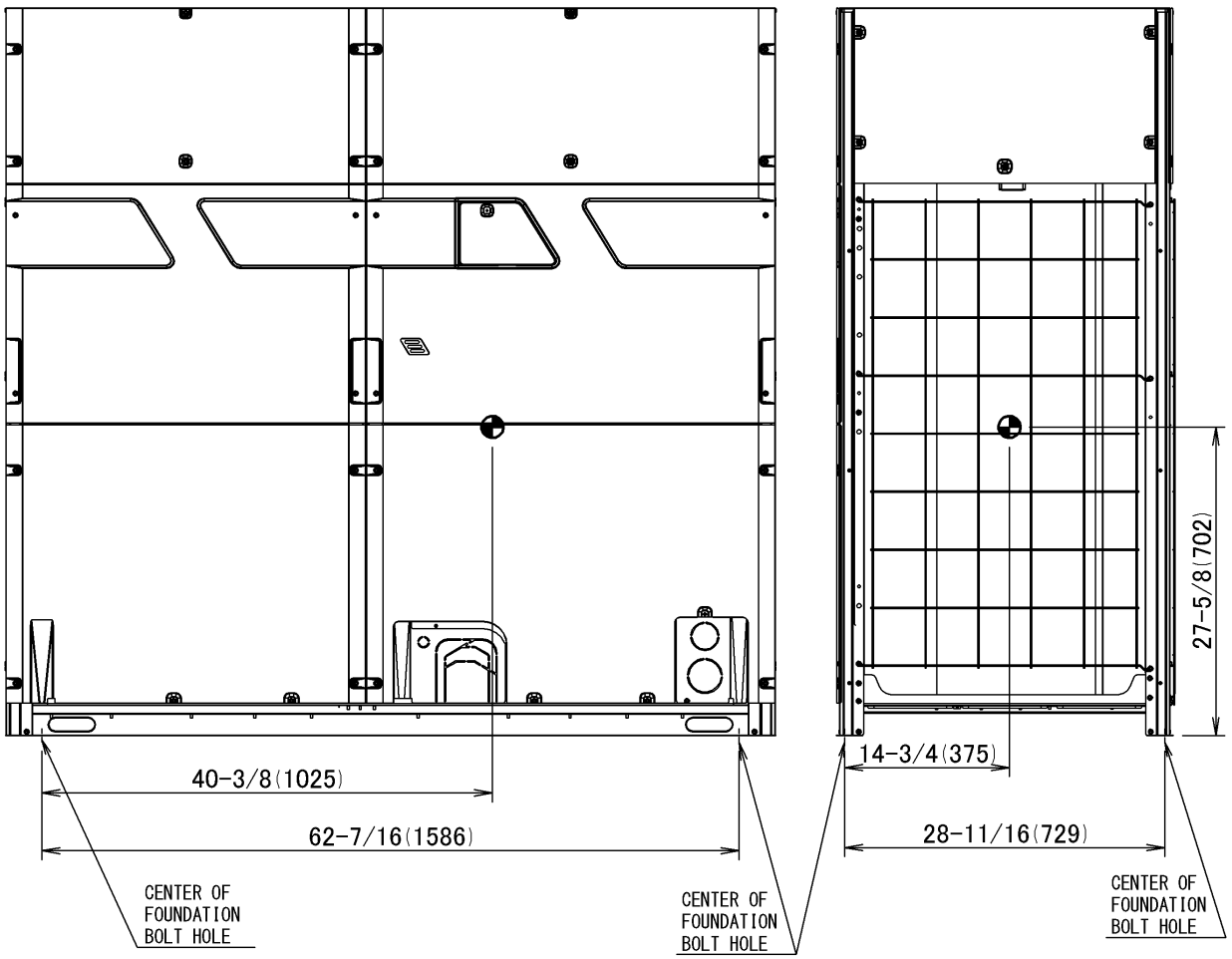
Unit : in. (mm)

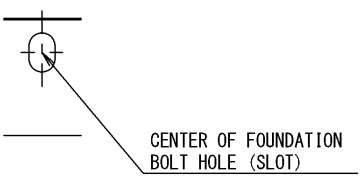


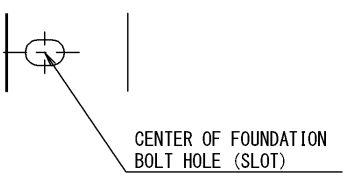
4D145100

RXYQ192 / 216 / 240AATJB / AAYDB

Unit : in. (mm)





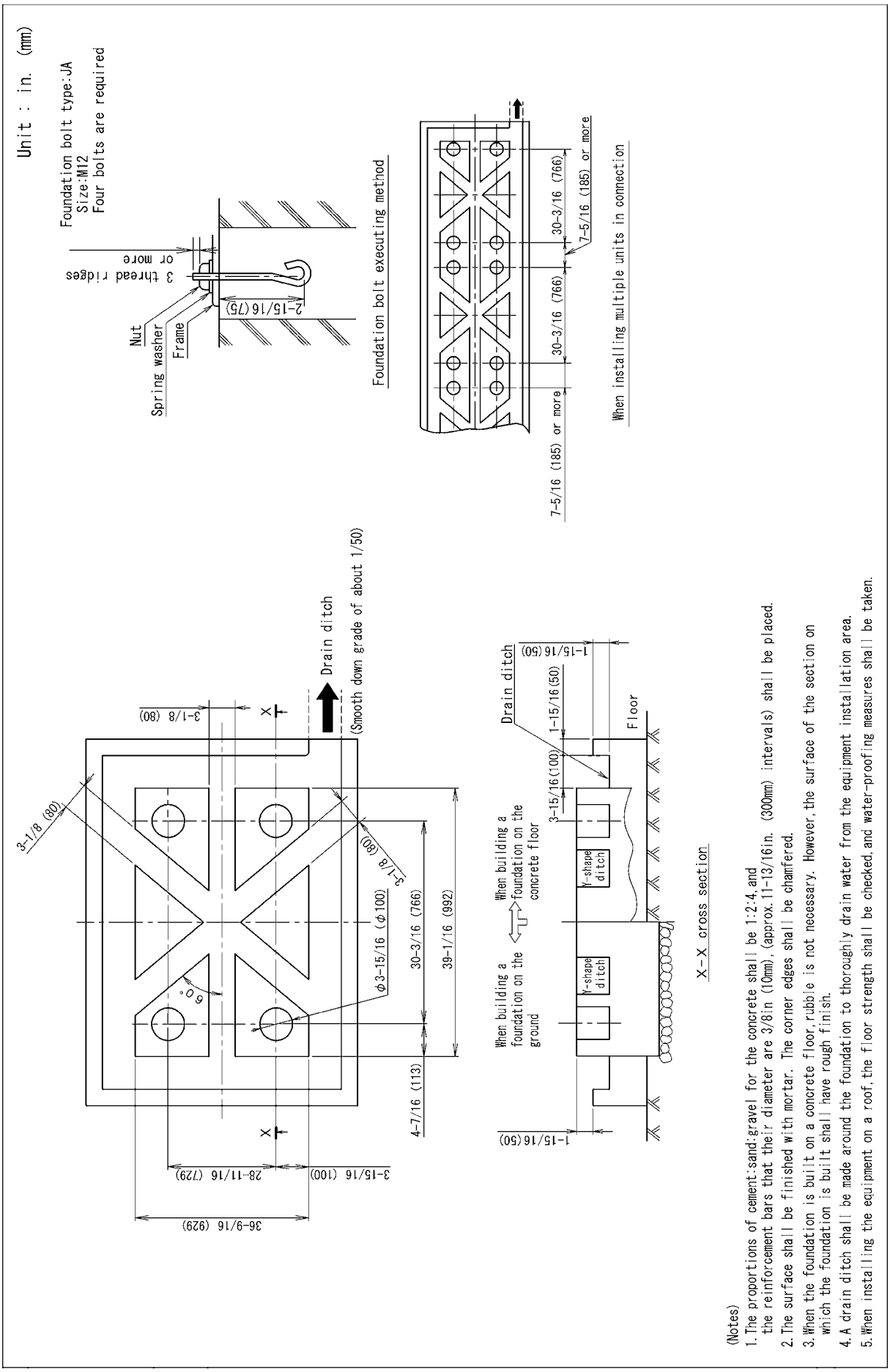


4D145059

5. Foundation Drawing

5.1 RXYQ-AATJB

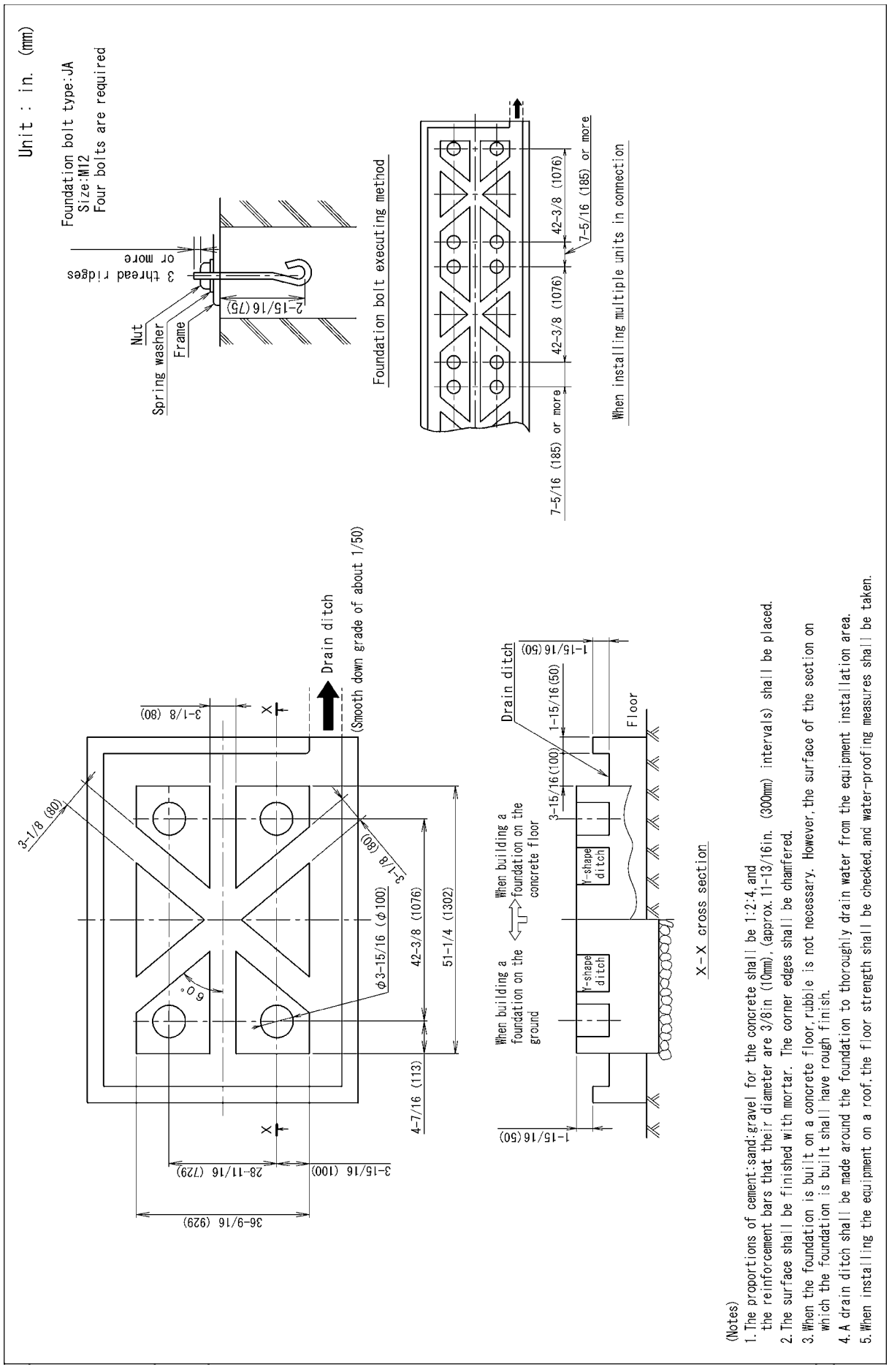
RXYQ72AATJB / AAYDB



(Notes)
1. The proportions of cement:sand:gravel for the concrete shall be 1:2:4, and the reinforcement bars that their diameter are 3/8in (10mm), (approx. 11-13/16in. (300mm) intervals) shall be placed.
2. The surface shall be finished with mortar. The corner edges shall be chamfered.
3. When the foundation is built on a concrete floor, rubble is not necessary. However, the surface of the section on which the foundation is built shall have rough finish.
4. A drain ditch shall be made around the foundation to thoroughly drain water from the equipment installation area.
5. When installing the equipment on a roof, the floor strength shall be checked, and water-proofing measures shall be taken.

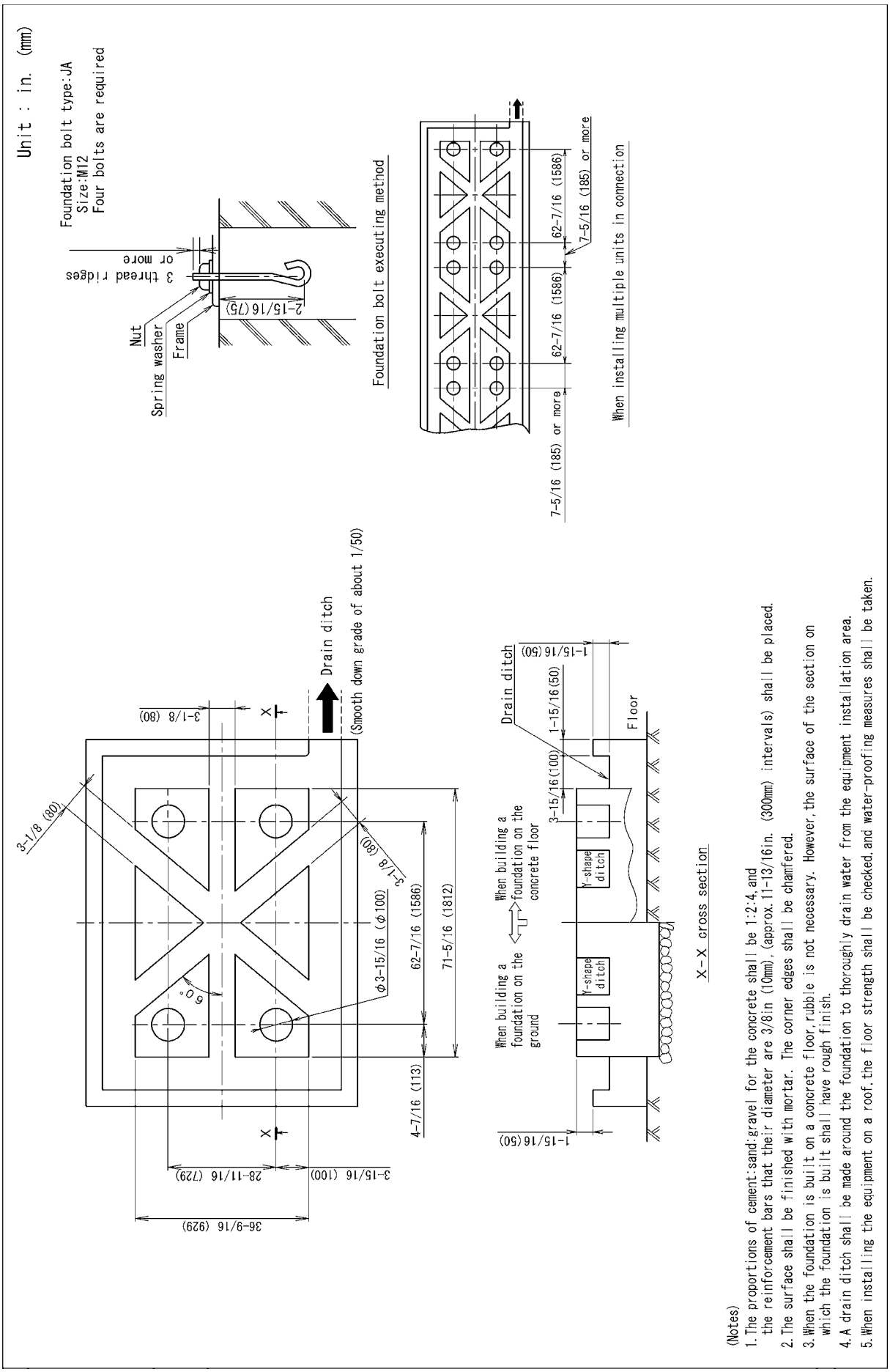
3D133718

RXYQ96 / 120 / 144 / 168AATJB / AAYDB



(Notes)
1. The proportions of cement:sand:gravel for the concrete shall be 1:2:4, and the reinforcement bars that their diameter are 3/8in (10mm), (approx. 11-13/16in. (300mm) intervals) shall be placed.
2. The surface shall be finished with mortar. The corner edges shall be chamfered.
3. When the foundation is built on a concrete floor, rubble is not necessary. However, the surface of the section on which the foundation is built shall have rough finish.
4. A drain ditch shall be made around the foundation to thoroughly drain water from the equipment installation area.
5. When installing the equipment on a roof, the floor strength shall be checked, and water-proofing measures shall be taken.

RXYQ192 / 216 / 240AATJB / AAYDB

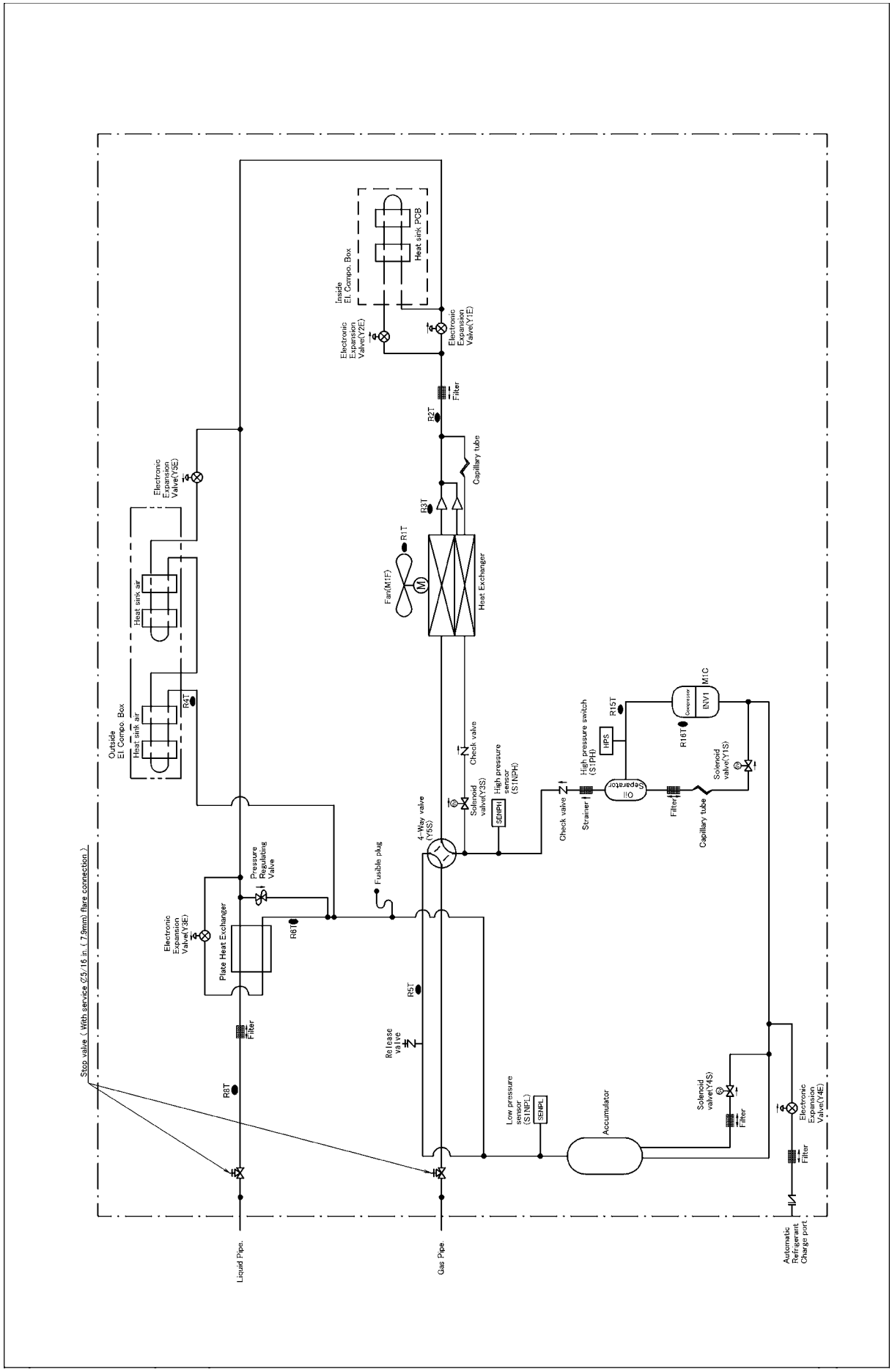


3D133720

6. Piping Diagrams

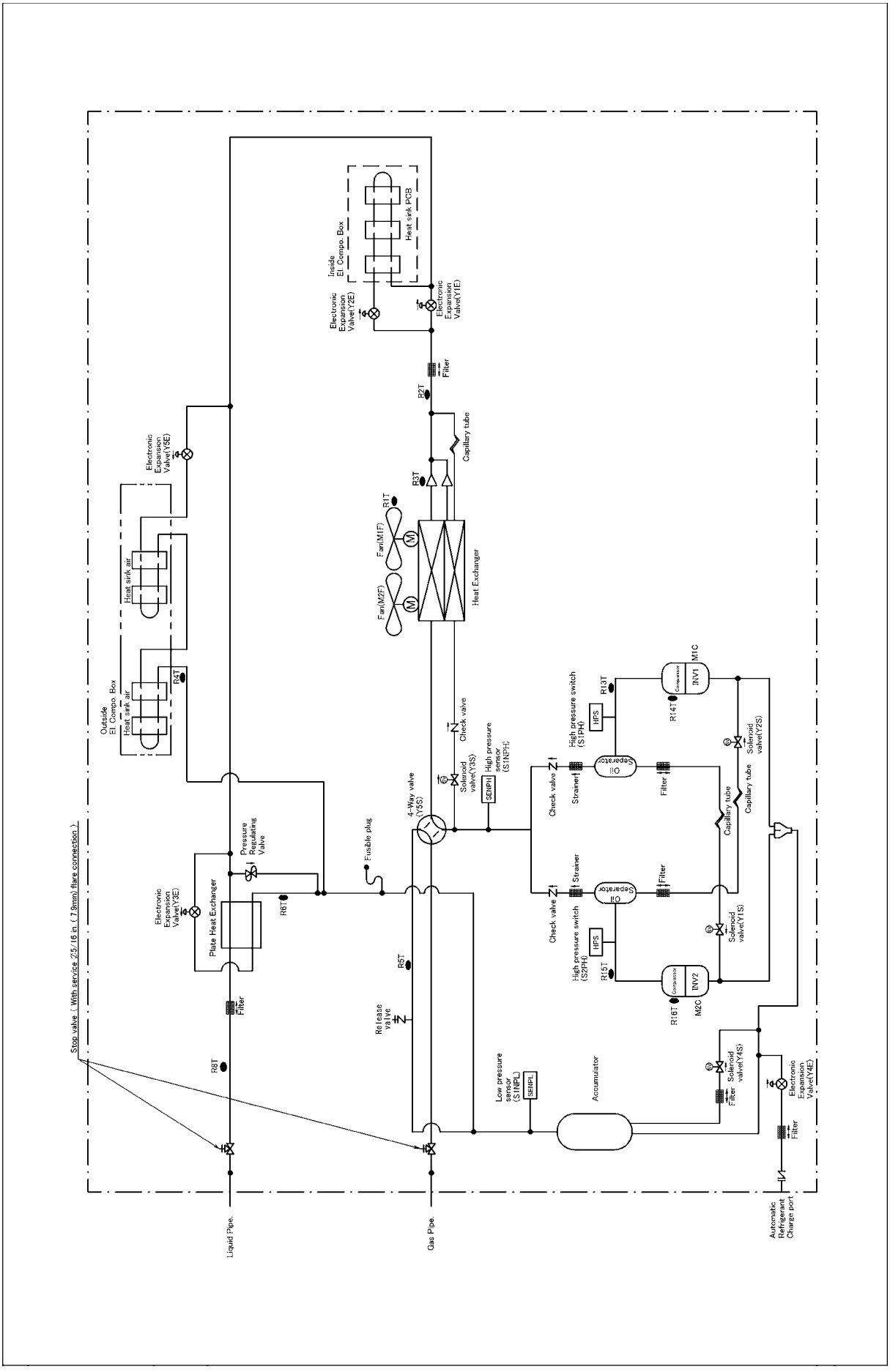
6.1 RXYQ-AATJB

RXYQ72AATJB / AAYDB



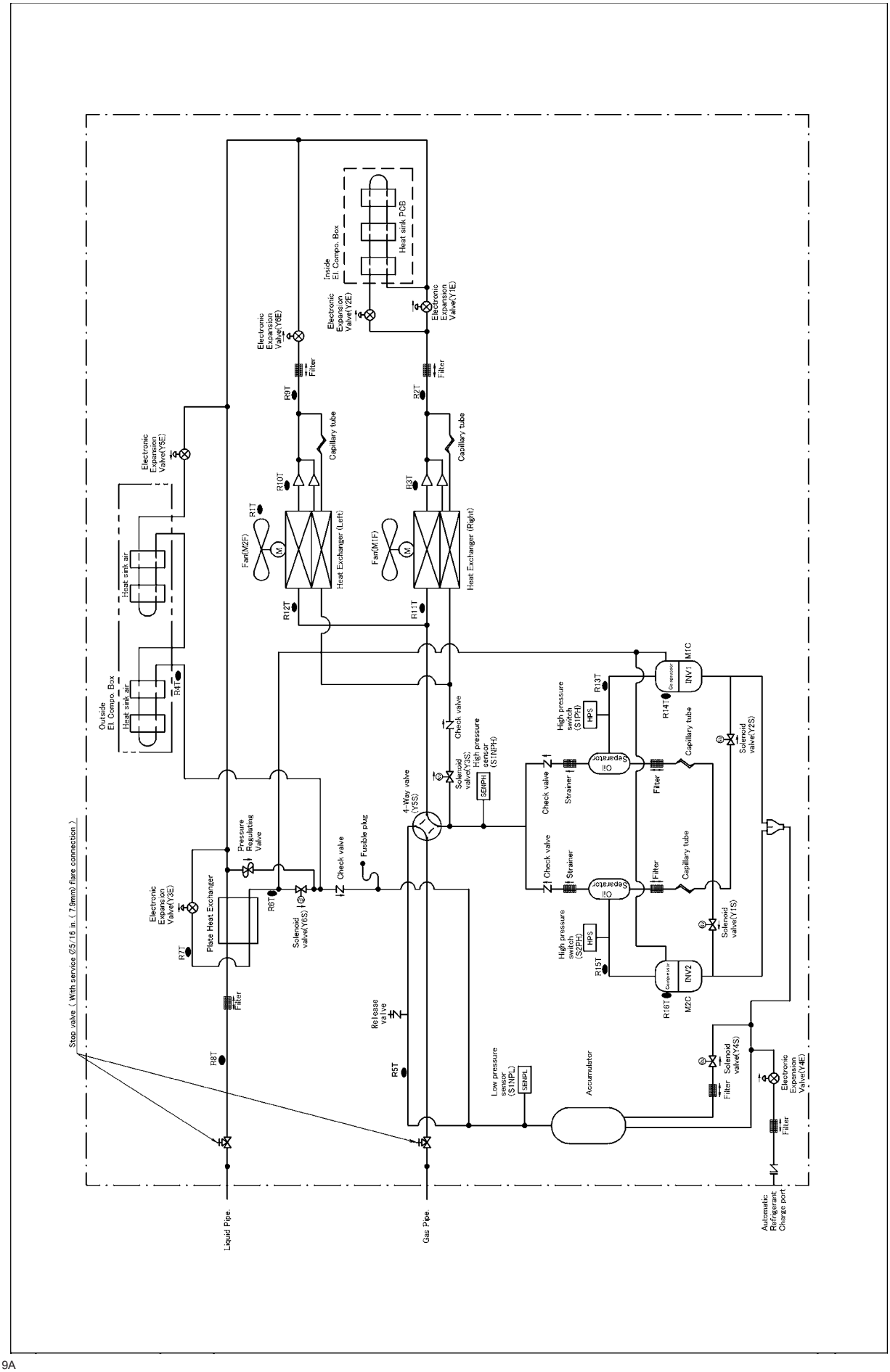
3D144830A

RXYQ96 / 120 / 144 / 168AATJB / AAYDB



3D144828A

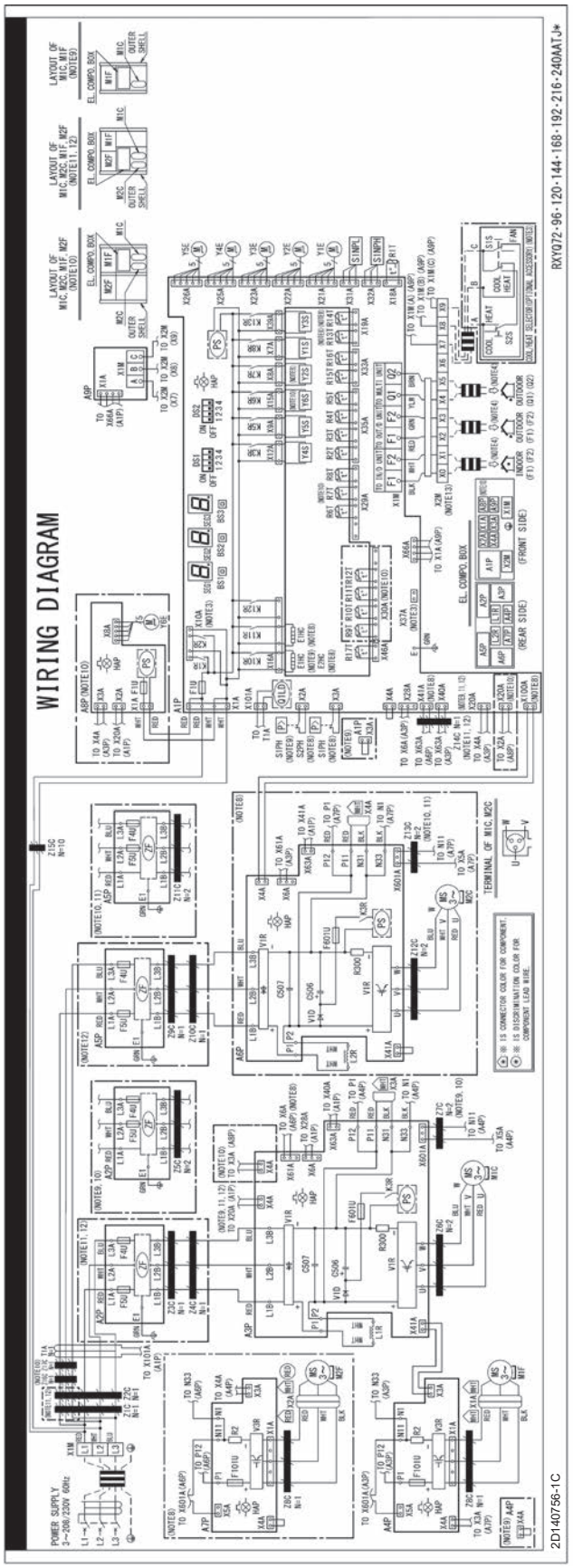
RXYQ192 / 216 / 240AATJB / AAYDB



7. Wiring Diagrams

7.1 RXYQ-AATJB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB



NOTES)
1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. : :FIELD WIRING, : :TERMINAL BLOCK, : :CONNECTOR, : :TERMINAL,
   : :PROTECTIVE GROUND (SCREW), : :NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTER, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTER.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1·F2, OUTDOOR-OUTDOOR TRANSMISSION F1·F2, OUTDOOR-MULTI TRANSMISSION Q1·Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1~3 SWITCH, REFER TO "SERVICE PRECAUTIONS" LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DON'T SHORT-CIRCUIT THE PROTECTION DEVICE(S1PH).
7. COLORS BLK:BLACK;RED:RED;BLU:BLUE; WHT:WHITE;GRN:GREEN;GRY:GRAY; YLW:YELLOW;BRN:BROWN.
8. ONLY RXYQ96~240AATJ~.
9. ONLY RXYQ72AATJ~.
10. ONLY RXYQ192~240AATJ~.
11. ONLY RXYQ144,168AATJ~.
12. ONLY RXYQ96,120AATJ~.
13. CLASS 2 WIRE.

C: 2D140756C

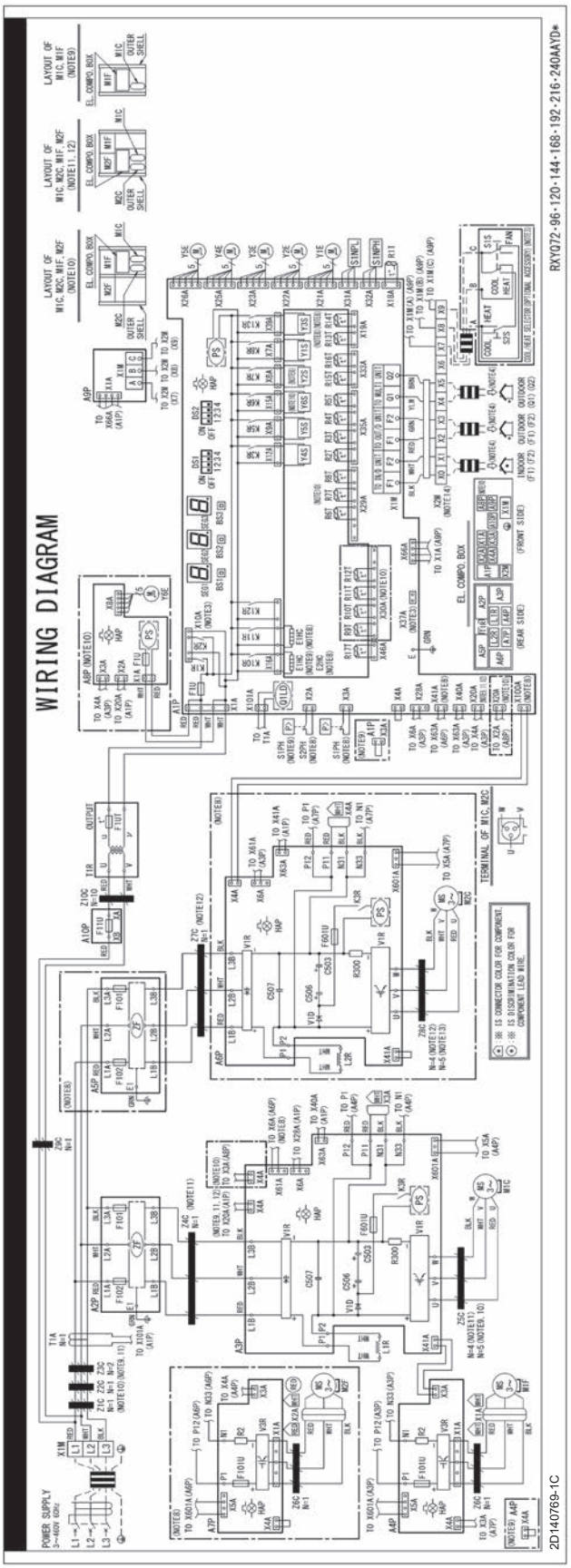
RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB

A1P	PRINTED CIRCUIT BOARD(MAIN)	R14T(NOTE8)	THERMISTOR(M1C COMPRESSOR BODY)
A2P,A5P	PRINTED CIRCUIT BOARD(NOISE FILTER)	R15T(NOTE9)	THERMISTOR(M1C DISCHARGE)
A3P,A6P	PRINTED CIRCUIT BOARD(COMP.INV.)	R15T(NOTE8)	THERMISTOR(M2C DISCHARGE)
A4P,A7P	PRINTED CIRCUIT BOARD(FAN INV.)	R16T(NOTE9)	THERMISTOR(M1C COMPRESSOR BODY)
A8P(NOTE10)	PRINTED CIRCUIT BOARD(SUB)	R16T(NOTE8)	THERMISTOR(M2C COMPRESSOR BODY)
A9P	PRINTED CIRCUIT BOARD(ABC I/P)	R17T	THERMISTOR(BOX AIR)
BS1~BS3	PUSH BUTTON SWITCH(MODE,SET,RETURN)(A1P)	S1NPH	PRESSURE SENSOR(HIGH)
C506,C507	CAPACITOR(A3P,A6P)	S1NPL	PRESSURE SENSOR(LOW)
DS1,DS2	DIP SWITCH(A1P)	S1PH	PRESSURE SWITCH(M1C)
E1HC,E2HC	CRANKCASE HEATER	S2PH	PRESSURE SWITCH(M2C)
F1U	FUSE(A1P,A8P)	SEG1~SEG3	7-SEGMENT DISPLAY(A1P)
F4U,F5U	FUSE(A2P,A5P)	T1A	CURRENT SENSOR
F601U	FUSE(A3P,A6P)	V1D	DIODE(A3P,A6P)
F101U	FUSE(A4P,A7P)	V1R	POWER MODULE(A3P,A6P)
HAP	PILOTLAMP(A1P,A3P,A4P,A6P,A7P,A8P) (SERVICE MONITOR-GREEN)	V3R	POWER MODULE(A4P,A7P)
		X1A,X2A	CONNECTOR(M1F,M2F)
K1R~K16R	MAGNETIC RELAY(A1P)	X3A,X4A	CONNECTOR(RESIDUAL CHARGE CHECK)
K3R	MAGNETIC RELAY(A3P,A6P)	X1M	TERMINAL BLOCK(POWER SUPPLY)
L1R,L2R	REACTOR	X1M	TERMINAL BLOCK(CONTROL)(A1P)
M1C,M2C	MOTOR(COMPRESSOR)	X2M	TERMINAL BLOCK(RELAY)
M1F,M2F	MOTOR(FAN)	Y1E	ELEC.EXP.VALVE(MAIN)
PS	SWITCHING POWER SUPPLY(A1P,A3P,A6P,A8P)	Y2E	ELEC.EXP.VALVE(REFRIGERANT COOLING IPM)
Q1LD	LEAKAGE DETECTION CIRCUIT(A1P)	Y3E	ELEC.EXP.VALVE(SUBCOOL HEAT EXC.)
R2	R2 RESISTOR(CURRENT SENSOR)(A4P,A7P)	Y4E	ELEC.EXP.VALVE(REFRIGERANT AUTOCHARGE)
R300	RESISTOR(CURRENT SENSOR)(A3P,A6P)	Y5E	ELEC.EXP.VALVE(REFRIGERANT COOLING AIR)
R1T	THERMISTOR(AIR)	Y6E(NOTE10)	ELEC.EXP.VALVE(HEAT EXC.LEFT)
R2T	THERMISTOR(HEAT EXC.LIQUID)	Y1S(NOTE9)	SOLENOID VALVE(OS OIL RETURN 1)
R3T	THERMISTOR(HEAT EXC.DEICER)	Y1S(NOTE8)	SOLENOID VALVE(OS OIL RETURN 2)
R4T	THERMISTOR(E.BOX AIR OUTLET)	Y2S(NOTE8)	SOLENOID VALVE(OS OIL RETURN 1)
R5T	THERMISTOR(SUCTION BEFORE ACCUMULATOR)	Y3S	SOLENOID VALVE(HOT GAS BYPASS)
R6T	THERMISTOR(SUB COOLING GAS)	Y4S	SOLENOID VALVE(ACCUMULATOR OIL RETURN)
R7T(NOTE10)	THERMISTOR(SUB COOLING INJ.)	Y5S	SOLENOID VALVE(4-WAY VALVE)
R8T	THERMISTOR(SUB COOLING LIQUID)	Y6S(NOTE10)	SOLENOID VALVE(INJ.)
R9T	THERMISTOR(HEAT EXC.LEFT LIQUID)	Z1C~Z17C	NOISE FILTER(FERRITE CORE)
R10T	THERMISTOR(HEAT EXC.LEFT DEICER)	ZF	NOISE FILTER(A2P,A5P)
R11T	THERMISTOR(HEAT EXC.RIGHT GAS)	COOL/HEAT SELECTOR	
R12T	THERMISTOR(HEAT EXC.LEFT GAS)	S1S	SELECTOR SWITCH(FAN/COOL·HEAT)
R13T(NOTE8)	THERMISTOR(M1C DISCHARGE)	S2S	SELECTOR SWITCH(COOL/HEAT)

C: 2D140756C

7.2 RXYQ-AAYDB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AAYDB



NOTES)
1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. : FIELD WIRING, : TERMINAL BLOCK, : CONNECTOR, : TERMINAL,
   : PROTECTIVE GROUND (SCREW), : NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTER, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTER.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1·F2, OUTDOOR-OUTDOOR TRANSMISSION F1·F2, OUTDOOR-MULTI TRANSMISSION Q1·Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1~3 SWITCH, REFER TO "SERVICE PRECAUTIONS" LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DON'T SHORT-CIRCUIT THE PROTECTION DEVICE(S1PH).
7. COLORS BLK:BLACK; RED:RED; BLU:BLUE; WHT:WHITE; GRN:GREEN; GRY:GRAY; YLW:YELLOW; BRN:BROWN.
8. ONLY RXYQ96~240AAYD~.
9. ONLY RXYQ72AAYD~.
10. ONLY RXYQ192~240AAYD~.
11. ONLY RXYQ96~168AAYD~.
12. ONLY RXYQ96,120AAYD~.
13. ONLY RXYQ144~240AAYD~.
14. CLASS 2 WIRE.

C: 2D140769C

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AAYDB

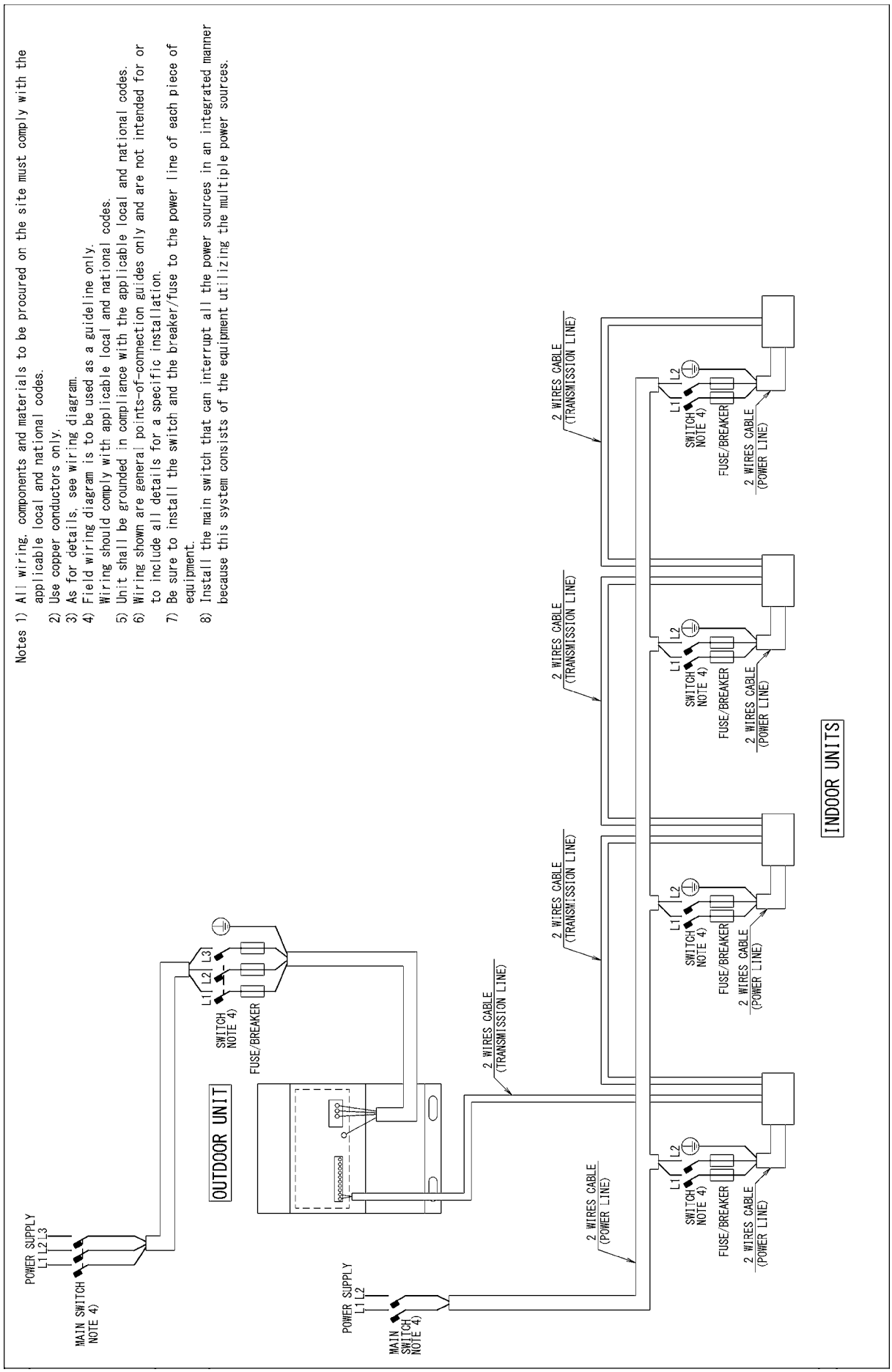
A1P	PRINTED CIRCUIT BOARD(MAIN)	R13T(NOTE8)	THERMISTOR(M1C DISCHARGE)
A2P,A5P	PRINTED CIRCUIT BOARD(NOISE FILTER)	R14T(NOTE8)	THERMISTOR(M1C COMPRESSOR BODY)
A3P,A6P	PRINTED CIRCUIT BOARD(COMP.INV.)	R15T(NOTE9)	THERMISTOR(M1C DISCHARGE)
A4P,A7P	PRINTED CIRCUIT BOARD(FAN INV.)	R15T(NOTE8)	THERMISTOR(M2C DISCHARGE)
A8P(NOTE10)	PRINTED CIRCUIT BOARD(SUB)	R16T(NOTE9)	THERMISTOR(M1C COMPRESSOR BODY)
A9P	PRINTED CIRCUIT BOARD(ABC I/P)	R16T(NOTE8)	THERMISTOR(M2C COMPRESSOR BODY)
A10P	PRINTED CIRCUIT BOARD(FUSE)	R17T	THERMISTOR(BOX AIR)
BS1~BS3	PUSH BUTTON SWITCH(MODE,SET,RETURN)(A1P)	S1NPH	PRESSURE SENSOR(HIGH)
C503,C506,C507	CAPACITOR(A3P,A6P)	S1NPL	PRESSURE SENSOR(LOW)
DS1,DS2	DIP SWITCH(A1P)	S1PH	PRESSURE SWITCH(M1C)
E1HC,E2HC	CRANKCASE HEATER	S2PH	PRESSURE SWITCH(M2C)
F1U	FUSE(A1P,A8P)	SEG1~SEG3	7-SEGMENT DISPLAY(A1P)
F101,F102	FUSE(A2P,A5P)	T1A	CURRENT SENSOR
F11U	FUSE(A10P)	T1R	TRANSFORMER(460/230V)
F601U	FUSE(A3P,A6P)	V1D	DIODE(A3P,A6P)
F101U	FUSE(A4P,A7P)	V1R	POWER MODULE(A3P,A6P)
F1UT	FUSE(T1R)	V3R	POWER MODULE(A4P,A7P)
HAP	PILOTLAMP(A1P,A3P,A4P,A6P,A7P,A8P) (SERVICE MONITOR-GREEN)	X1A,X2A	CONNECTOR(M1F,M2F)
		X3A,X4A	CONNECTOR(RESIDUAL CHARGE CHECK)
K1R~K16R	MAGNETIC RELAY(A1P)	X1M	TERMINAL BLOCK(POWER SUPPLY)
K3R	MAGNETIC RELAY(A3P,A6P)	X1M	TERMINAL BLOCK(CONTROL)(A1P)
L1R,L2R	REACTOR	X2M	TERMINAL BLOCK(RELAY)
M1C,M2C	MOTOR(COMPRESSOR)	Y1E	ELEC.EXP.VALVE(MAIN)
M1F,M2F	MOTOR(FAN)	Y2E	ELEC.EXP.VALVE(REFRIGERANT COOLING IPM)
PS	SWITCHING POWER SUPPLY(A1P,A3P,A6P,A8P)	Y3E	ELEC.EXP.VALVE(SUBCOOL HEAT EXC.)
Q1LD	LEAKAGE DETECTION CIRCUIT(A1P)	Y4E	ELEC.EXP.VALVE(REFRIGERANT AUTOCHARGE)
R2	R2 RESISTOR(CURRENT SENSOR)(A4P,A7P)	Y5E	ELEC.EXP.VALVE(REFRIGERANT COOLING AIR)
R300	RESISTOR(CURRENT SENSOR)(A3P,A6P)	Y6E(NOTE10)	ELEC.EXP.VALVE(HEAT EXC.LEFT)
R1T	THERMISTOR(AIR)	Y1S(NOTE9)	SOLENOID VALVE(OS OIL RETURN 1)
R2T	THERMISTOR(HEAT EXC.LIQUID)	Y1S(NOTE8)	SOLENOID VALVE(OS OIL RETURN 2)
R3T	THERMISTOR(HEAT EXC.DEICER)	Y2S(NOTE8)	SOLENOID VALVE(OS OIL RETURN 1)
R4T	THERMISTOR(E.BOX AIR OUTLET)	Y3S	SOLENOID VALVE(HOT GAS BYPASS)
R5T	THERMISTOR(SUCTION BEFORE ACCUMULATOR)	Y4S	SOLENOID VALVE(ACCUMULATOR OIL RETURN)
R6T	THERMISTOR(SUB COOLING GAS)	Y5S	SOLENOID VALVE(4-WAY VALVE)
R7T(NOTE10)	THERMISTOR(SUB COOLING INJ.)	Y6S(NOTE10)	SOLENOID VALVE(INJ.)
R8T	THERMISTOR(SUB COOLING LIQUID)	Z1C~Z10C	NOISE FILTER(FERRITE CORE)
R9T	THERMISTOR(HEAT EXC.LEFT LIQUID)	ZF	NOISE FILTER(A2P,A5P)
R10T	THERMISTOR(HEAT EXC.LEFT DEICER)	COOL/HEAT SELECTOR	
R11T	THERMISTOR(HEAT EXC.RIGHT GAS)	S1S	SELECTOR SWITCH(FAN/COOL·HEAT)
R12T	THERMISTOR(HEAT EXC.LEFT GAS)	S2S	SELECTOR SWITCH(COOL/HEAT)

C: 2D140769C

8. Field Wiring

8.1 RXYQ-AATJB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB / AAYDB



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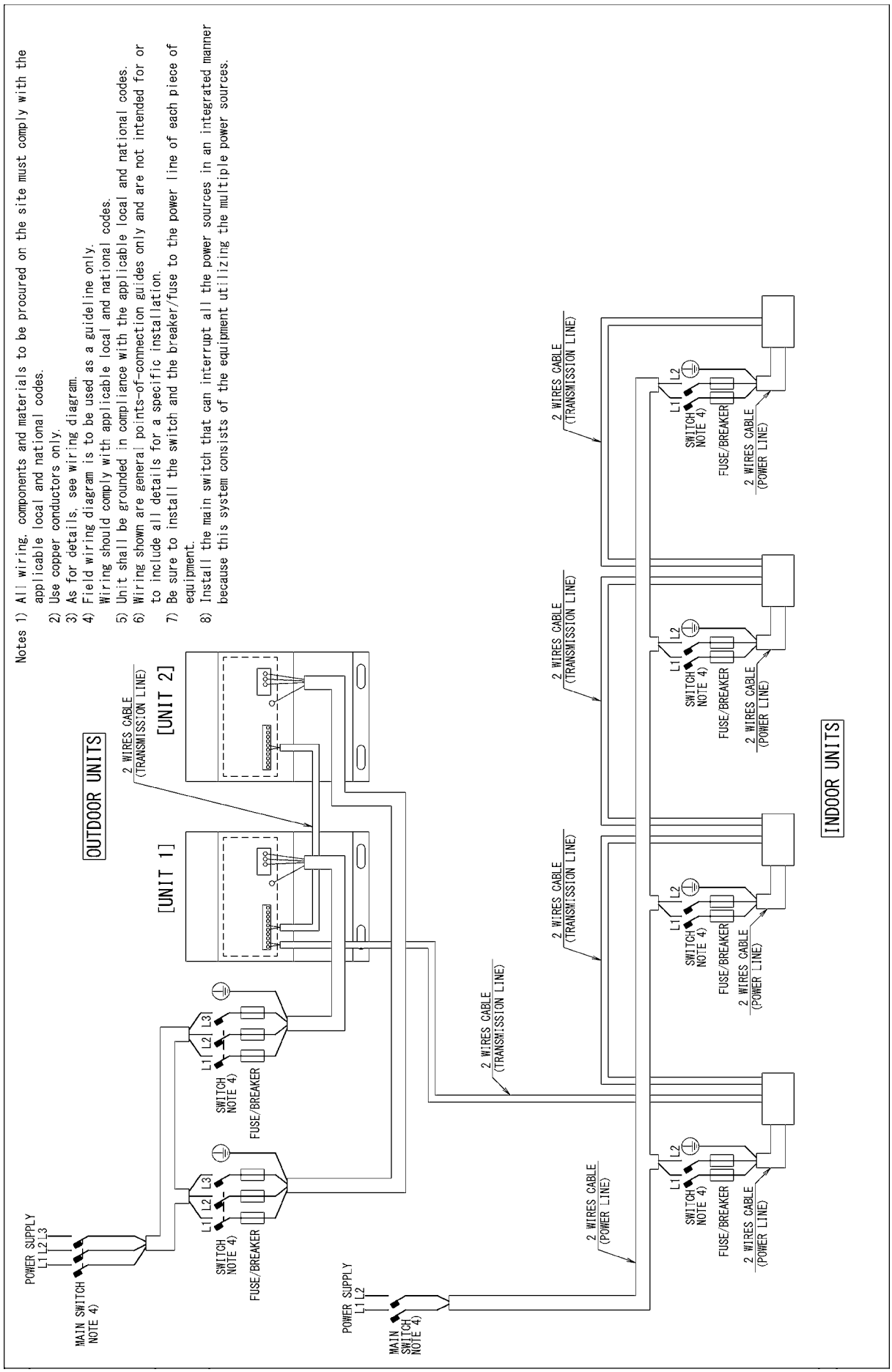
RXYQ264 / 288 / 312 / 336 / 360 / 384 / 408 / 432 / 456 / 480AATJB / AAYDB



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9. Electrical Characteristics

9.1 RXYQ-AATJB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB

Model name	Units				Power supply		Comp.	OFM		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA	
RXYQ72AATJB	60	208 / 230	187	253	27.3	30	11.1	0.95	3.4	SCCR kA rms, Symmetrical @600 V MAX: 5
RXYQ96AATJB	60	208 / 230	187	253	34.1	35	7.6 + 7.6	0.65 × 2	2.3 × 2	
RXYQ120AATJB	60	208 / 230	187	253	36.5	40	10.5 + 10.6	0.65 × 2	2.3 × 2	
RXYQ144AATJB	60	208 / 230	187	253	47.8	50	10.0 + 15.8	0.65 × 2	2.3 × 2	
RXYQ168AATJB	60	208 / 230	187	253	54.9	60	12.5 + 20.0	0.65 × 2	2.3 × 2	
RXYQ192AATJB	60	208 / 230	187	253	59.8	60	16.6 + 16.6	0.95 × 2	3.4 × 2	
RXYQ216AATJB	60	208 / 230	187	253	67.2	70	20.0 + 20.0	0.95 × 2	3.4 × 2	
RXYQ240AATJB	60	208 / 230	187	253	73.7	80	24.3 + 24.4	0.95 × 2	3.4 × 2	

Symbols:
MCA :Min. Circuit Amps. (A)
MOP :Max. Overcurrent Protector (A)
RLA :Rated Load Amps. (A)
OFM :Outdoor Fan Motor
kW :Rated Motor Output (kW)
FLA :Full Load Amps. (A)
SCCR :Short-Circiut Current

Notes:
1. RLA is based on the following conditions.
   Indoor temp. 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)
   Outdoor temp. 95°FDB (35.0°CDB)
2. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

RXYQ264 / 288 / 312 / 336 / 360 / 384 / 408 / 432 / 456 / 480AATJB

Model name		Units				Power supply		Comp.	OFM	
Combination unit	Independent unit	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA
RXYQ264AATJB	RXYQ120AATJB	60	208 / 230	187	253	36.5 + 47.8	40 + 50	(10.5 + 10.6) + (10.0 + 15.8)	(0.65 × 2) × 2	(2.3 × 2) × 2
	RXYQ144AATJB									
RXYQ288AATJB	RXYQ144AATJB	60	208 / 230	187	253	47.8 + 47.8	50 + 50	(10.0 + 15.8) ×2	(0.65 × 2) × 2	(2.3 × 2) × 2
	RXYQ144AATJB									
RXYQ312AATJB	RXYQ144AATJB	60	208 / 230	187	253	47.8 + 54.9	50 + 60	(10.0 + 15.8) + (12.5 + 20.0)	(0.65 × 2) × 2	(2.3 × 2) × 2
	RXYQ168AATJB									
RXYQ336AATJB	RXYQ168AATJB	60	208 / 230	187	253	54.9 + 54.9	60 + 60	(12.5+ 20.0)×2	(0.65 × 2) × 2	(2.3 × 2) × 2
	RXYQ168AATJB									
RXYQ360AATJB	RXYQ168AATJB	60	208 / 230	187	253	54.9 + 59.8	60 + 60	(12.5 + 20.0) + (16.6 + 16.6)	(0.65 × 2) + (0.95 × 2)	(2.3 × 2) + (3.4 × 2)
	RXYQ192AATJB									
RXYQ384AATJB	RXYQ192AATJB	60	208 / 230	187	253	59.8 + 59.8	60 + 60	(16.6 +16.6) ×2	(0.95 × 2) × 2	(3.4 × 2) × 2
	RXYQ192AATJB									
RXYQ408AATJB	RXYQ192AATJB	60	208 / 230	187	253	59.8 + 67.2	60 + 70	(16.6 + 16.6) + (20.0 + 20.0)	(0.95 × 2) × 2	(3.4 × 2) × 2
	RXYQ216AATJB									
RXYQ432AATJB	RXYQ216AATJB	60	208 / 230	187	253	67.2 + 67.2	70 + 70	(20.0 + 20.0)×2	(0.95 × 2) × 2	(3.4 × 2) × 2
	RXYQ216AATJB									
RXYQ456AATJB	RXYQ216AATJB	60	208 / 230	187	253	67.2 + 73.7	70 + 80	(20.0 + 20.0) + (24.3 +24.4)	(0.95 × 2) × 2	(3.4 × 2) × 2
	RXYQ240AATJB									
RXYQ480AATJB	RXYQ240AATJB	60	208 / 230	187	253	73.7 + 73.7	80 + 80	(24.3 + 24.4)×2	(0.95 × 2) × 2	(3.4 × 2) × 2
	RXYQ240AATJB									

Symbols:
MCA :Min. Circuit Amps. (A)
MOP :Max. Overcurrent Protector (A)
RLA :Rated Load Amps. (A)
OFM :Outdoor Fan Motor
kW :Rated Motor Output (kW)
FLA :Full Load Amps. (A)

Notes:
1. RLA is based on the following conditions.
   Indoor temp. 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)
   Outdoor temp. 95°FDB (35.0°CDB)
2. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

9.2 RXYQ-AAYDB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AAYDB

Model name	Units				Power supply		Comp.	OFM		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA	
RXYQ72AAYDB	60	460	416	508	12.4	15	5.1	0.95	1.5	SCCR kA rms, Symmetrical @600 V MAX: 5
RXYQ96AAYDB	60	460	416	508	16.4	20	3.4 + 3.5	0.65 × 2	1.0 × 2	
RXYQ120AAYDB	60	460	416	508	16.6	20	4.8 + 4.8	0.65 × 2	1.0 × 2	
RXYQ144AAYDB	60	460	416	508	21.3	25	4.5 + 7.2	0.65 × 2	1.0 × 2	
RXYQ168AAYDB	60	460	416	508	24.9	30	5.7 + 9.1	0.65 × 2	1.0 × 2	
RXYQ192AAYDB	60	460	416	508	28.3	35	7.5 + 7.6	0.95 × 2	1.5 × 2	
RXYQ216AAYDB	60	460	416	508	29.9	35	9.1 + 9.1	0.95 × 2	1.5 × 2	
RXYQ240AAYDB	60	460	416	508	33.4	40	11.0 + 11.1	0.95 × 2	1.5 × 2	

Symbols:
MCA :Min. Circuit Amps. (A)
MOP :Max. Overcurrent Protector (A)
RLA :Rated Load Amps. (A)
OFM :Outdoor Fan Motor
kW :Rated Motor Output (kW)
FLA :Full Load Amps. (A)
SCCR :Short-Circiut Current

Notes:
1. RLA is based on the following conditions.
   Indoor temp. 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)
   Outdoor temp. 95°FDB (35.0°CDB)
2. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

RXYQ264 / 288 / 312 / 336 / 360 / 384 / 408 / 432 / 456 / 480AAYDB

Model name		Units				Power supply		Comp.	OFM	
Combination unit	Independent unit	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA
RXYQ264AAYDB	RXYQ120AAYDB	60	460	416	508	16.6 + 21.3	20 + 25	(4.8+ 4.8) + (4.5 + 7.2)	(0.65 × 2) × 2	(1.0 × 2) × 2
	RXYQ144AAYDB									
RXYQ288AAYDB	RXYQ144AAYDB	60	460	416	508	21.3 + 21.3	25 + 25	(4.5 + 7.2) × 2	(0.65 × 2) × 2	(1.0 × 2) × 2
	RXYQ144AAYDB									
RXYQ312AAYDB	RXYQ144AAYDB	60	460	416	508	21.3 + 24.9	25 + 30	(4.5 + 7.2) + (5.7 + 9.1)	(0.65 × 2) × 2	(1.0 × 2) × 2
	RXYQ168AAYDB									
RXYQ336AAYDB	RXYQ168AAYDB	60	460	416	508	24.9 + 24.9	30 + 30	(5.7 + 9.1) × 2	(0.65 × 2) × 2	(1.0 × 2) × 2
	RXYQ168AAYDB									
RXYQ360AAYDB	RXYQ168AAYDB	60	460	416	508	24.9 + 28.3	30 + 35	(5.7 + 9.1) + (7.5 + 7.6)	(0.65 × 2) + (0.95 × 2)	(1.0 × 2) + (1.5 × 2)
	RXYQ192AAYDB									
RXYQ384AAYDB	RXYQ192AAYDB	60	460	416	508	28.3 + 28.3	35 + 35	(7.5 + 7.6) × 2	(0.95 × 2) × 2	(1.5 × 2) × 2
	RXYQ192AAYDB									
RXYQ408AAYDB	RXYQ192AAYDB	60	460	416	508	28.3 + 29.9	35 + 35	(7.5 + 7.6) + (9.1+ 9.1)	(0.95 × 2) × 2	(1.5 × 2) × 2
	RXYQ216AAYDB									
RXYQ432AAYDB	RXYQ216AAYDB	60	460	416	508	29.9 + 29.9	35 + 35	(9.1+ 9.1) × 2	(0.95 × 2) × 2	(1.5 × 2) × 2
	RXYQ216AAYDB									
RXYQ456AAYDB	RXYQ216AAYDB	60	460	416	508	29.9 + 33.4	35 + 40	(9.1 + 9.1) + (11.0 + 11.1)	(0.95 × 2) × 2	(1.5 × 2) × 2
	RXYQ240AAYDB									
RXYQ480AAYDB	RXYQ240AAYDB	60	460	416	508	33.4 + 33.4	40 + 40	(11.0 + 11.1) × 2	(0.95 × 2) × 2	(1.5 × 2) × 2
	RXYQ240AAYDB									

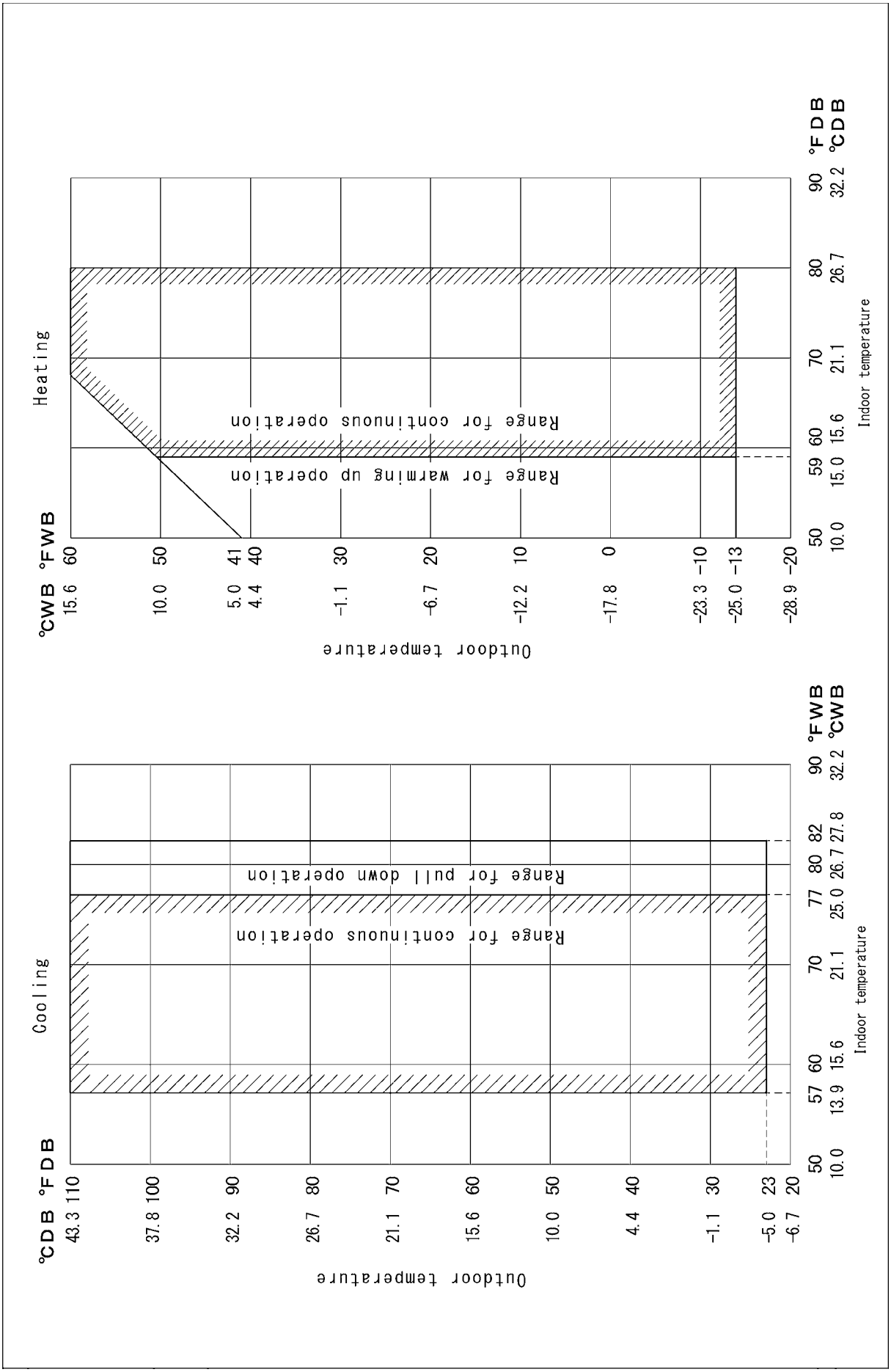
Symbols:
MCA :Min. Circuit Amps. (A)
MOP :Max. Overcurrent Protector (A)
RLA :Rated Load Amps. (A)
OFM :Outdoor Fan Motor
kW :Rated Motor Output (kW)
FLA :Full Load Amps. (A)

Notes:
1. RLA is based on the following conditions.
   Indoor temp. 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)
   Outdoor temp. 95°FDB (35.0°CDB)
2. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
4. Select wire size based on the value of MCA.
5. MOP is used to select the circuit breaker.
6. Refer to electrical characteristics of each independent unit for SCCR.

10. Operation Limits

10.1 RXYQ-AATJB

RXYQ72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJB / AAYDB



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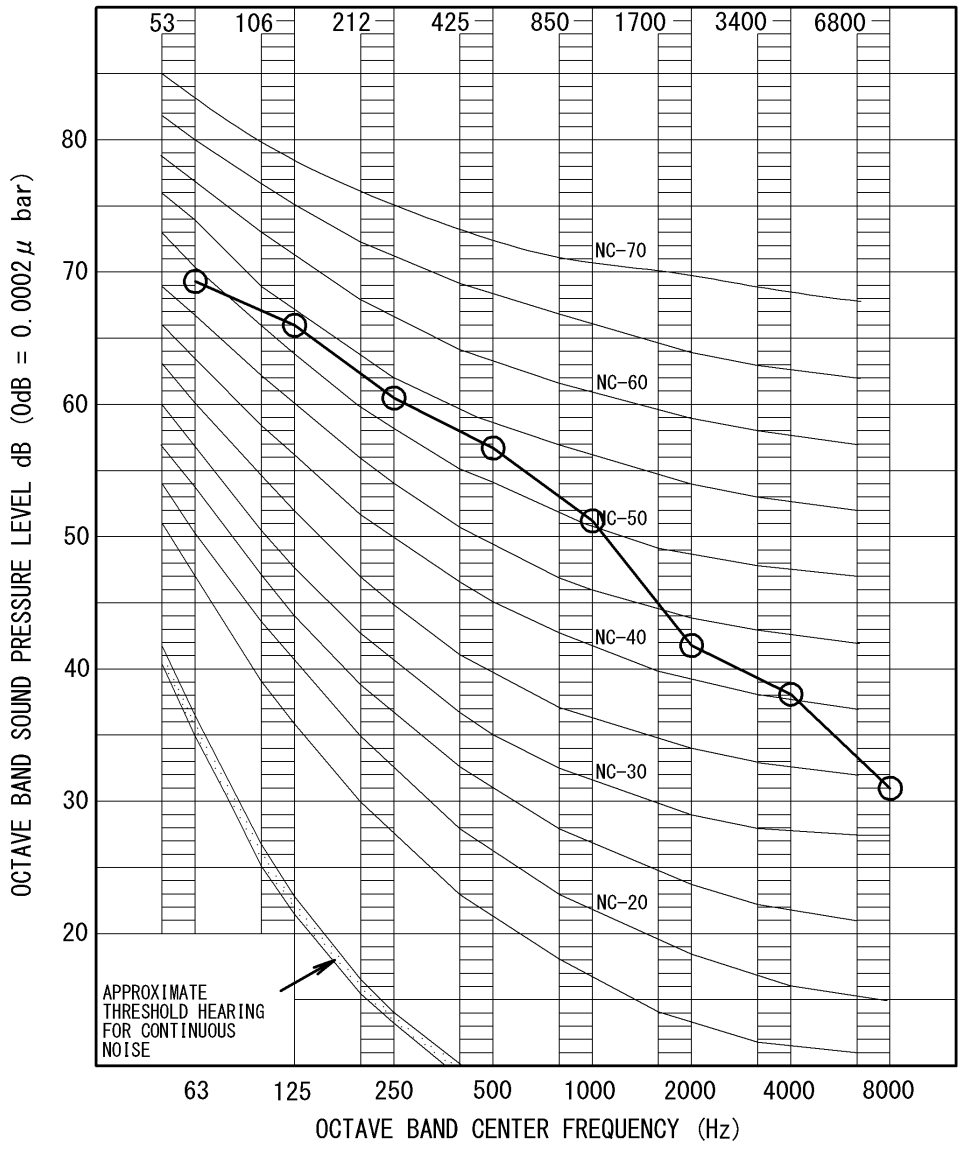
11. Sound Levels (Reference Data)

11.1 RXYQ-AATJB

RXYQ72AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	58

(B.G.N IS ALREADY RECTIFIED)

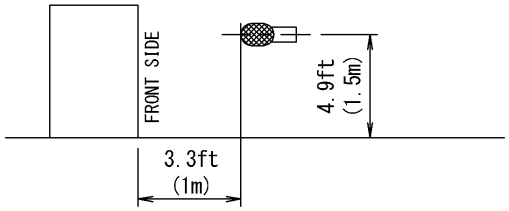
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

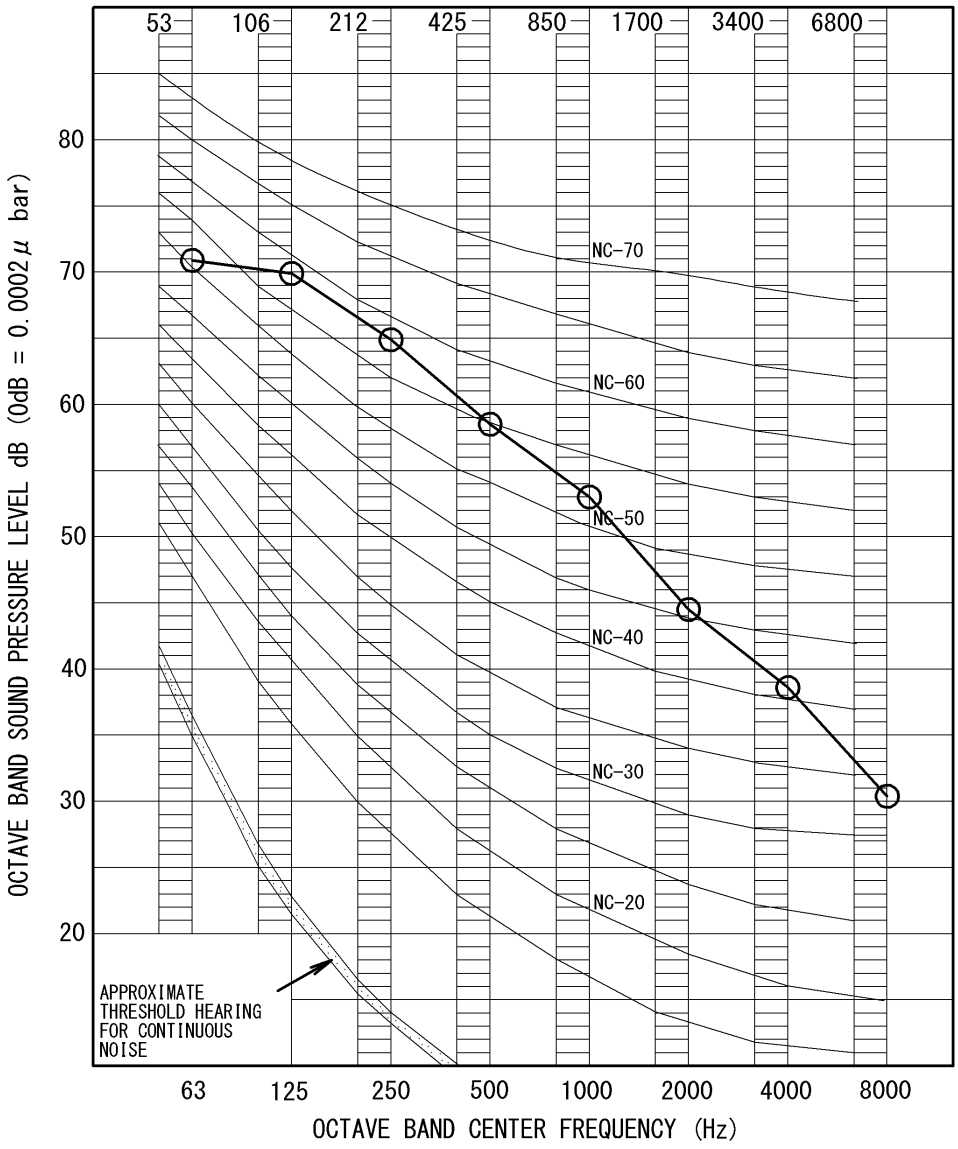
ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

RXYQ96AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	61

(B.G.N IS ALREADY RECTIFIED)

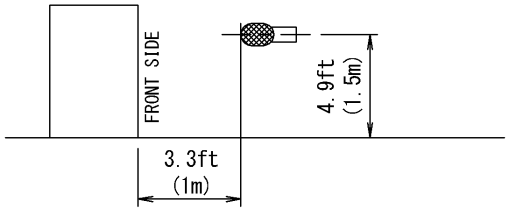
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

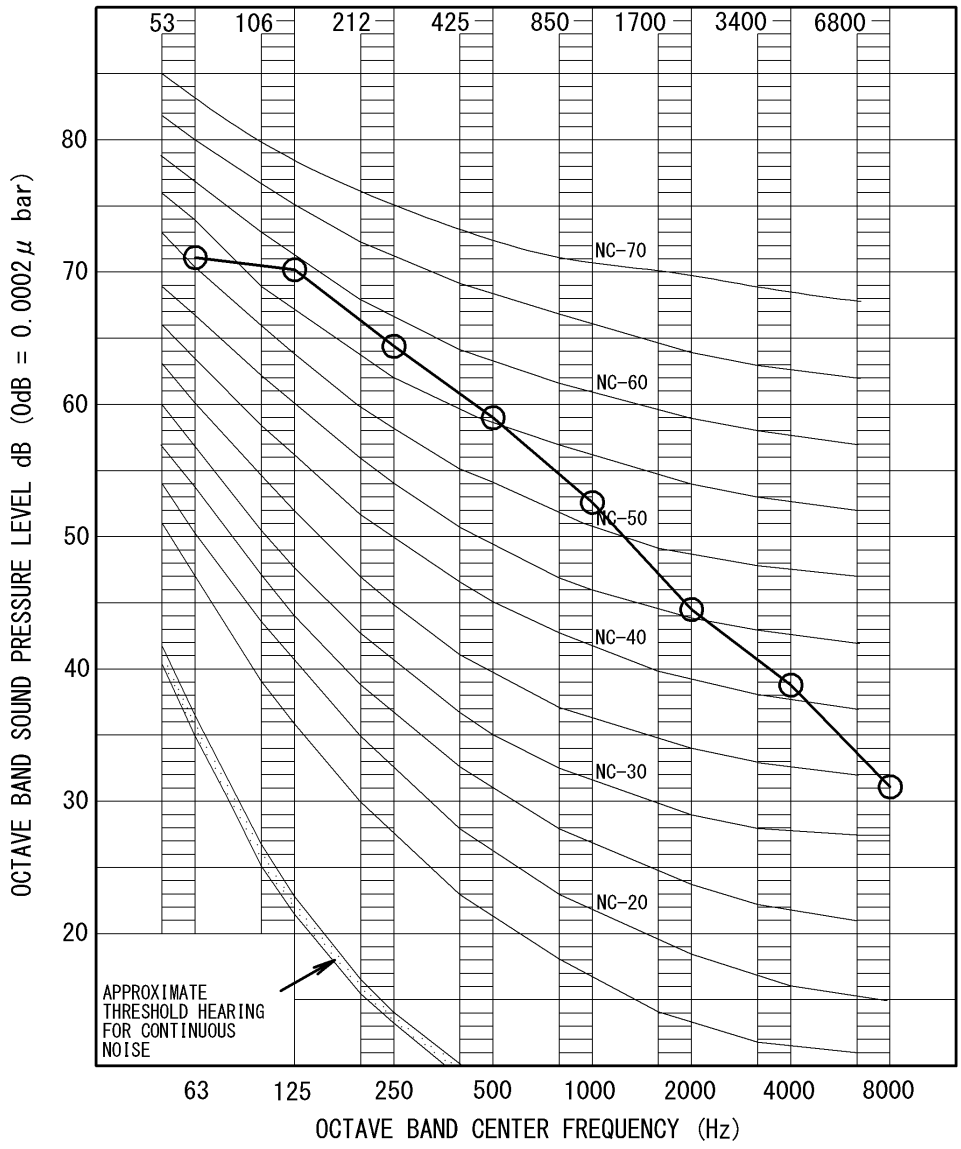
LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

4D144744

RXYQ120AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	61

(B.G.N IS ALREADY RECTIFIED)

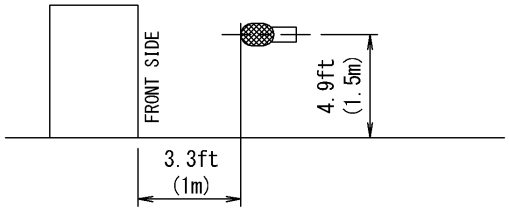
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

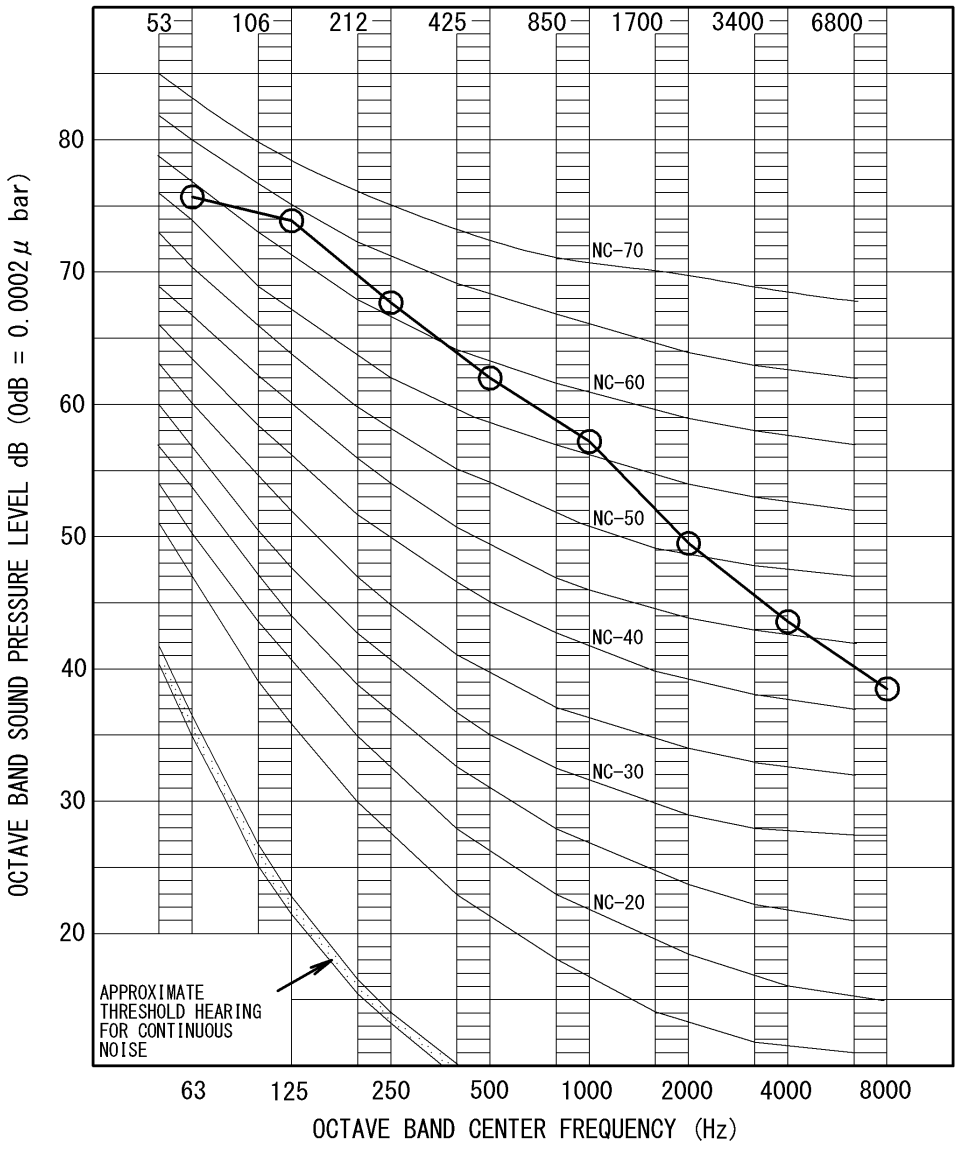
ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

RXYQ144AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	65

(B.G.N IS ALREADY RECTIFIED)

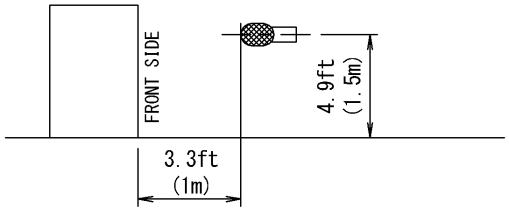
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

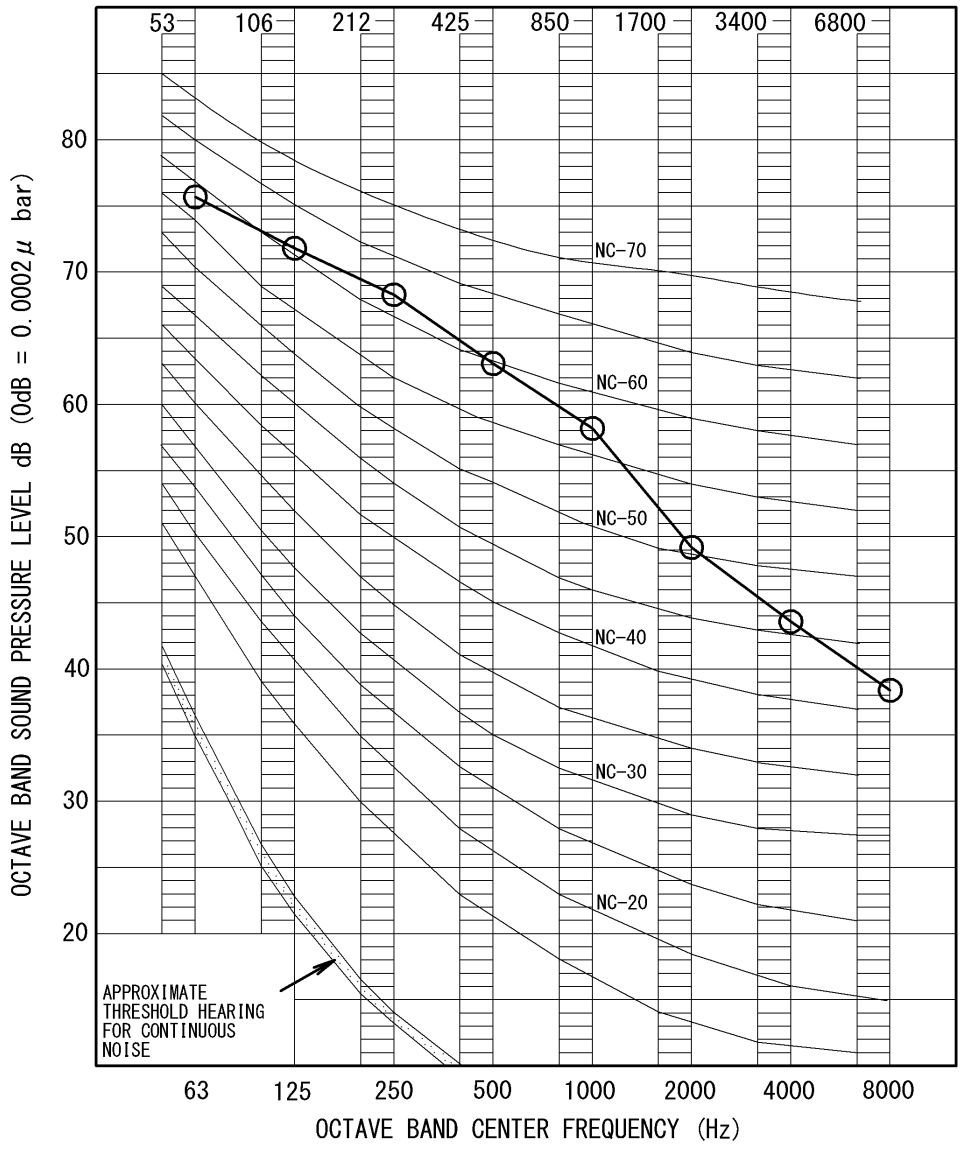
LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

4D144746

RXYQ168AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	65

(B.G.N IS ALREADY RECTIFIED)

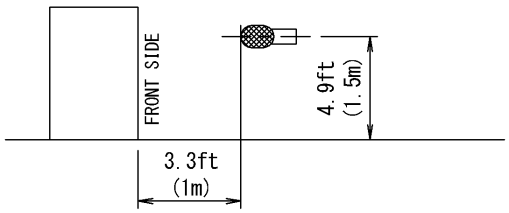
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

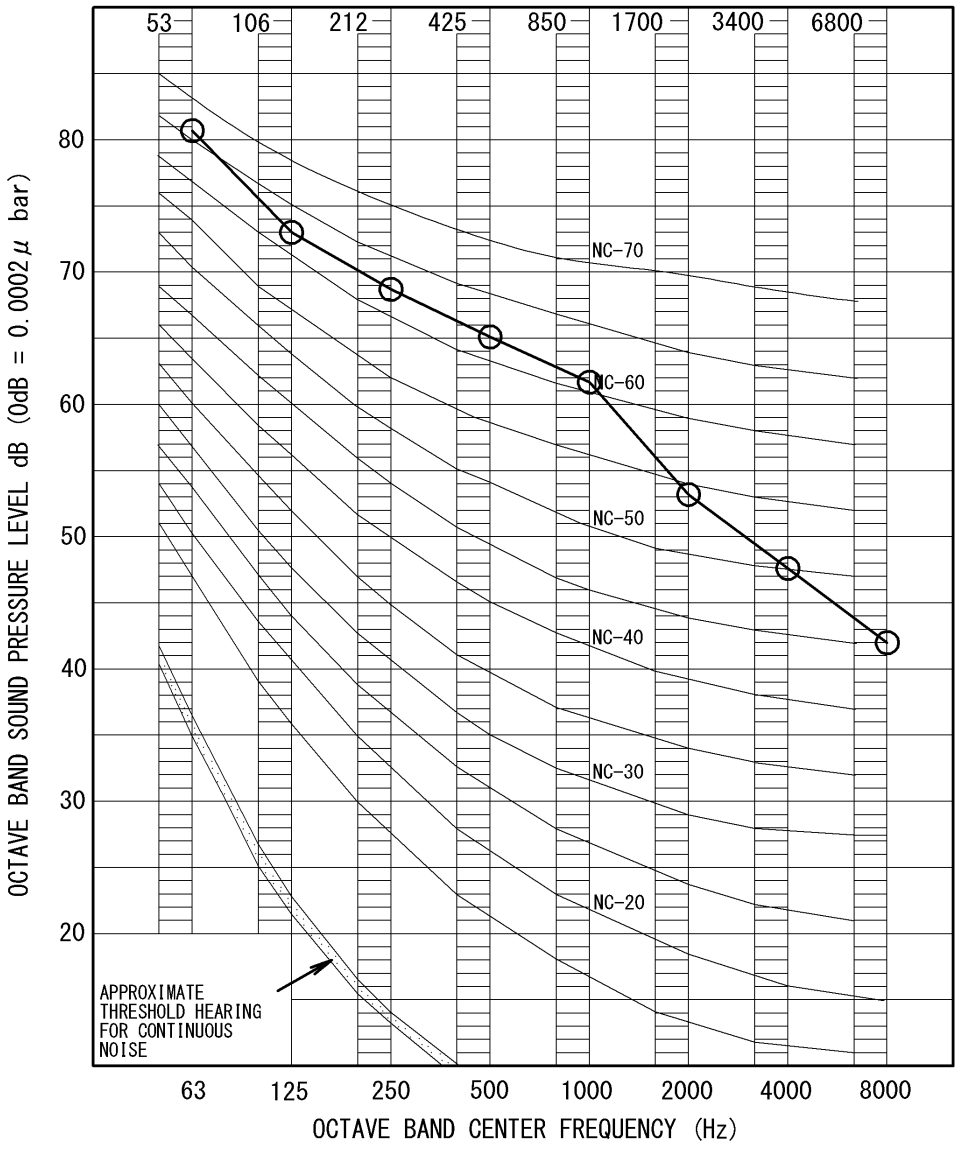
ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

RXYQ192AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	67

(B.G.N IS ALREADY RECTIFIED)

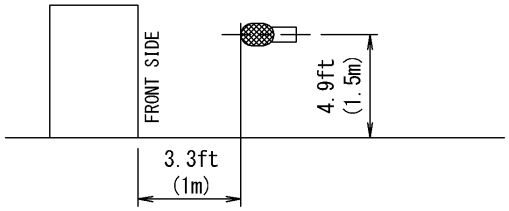
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

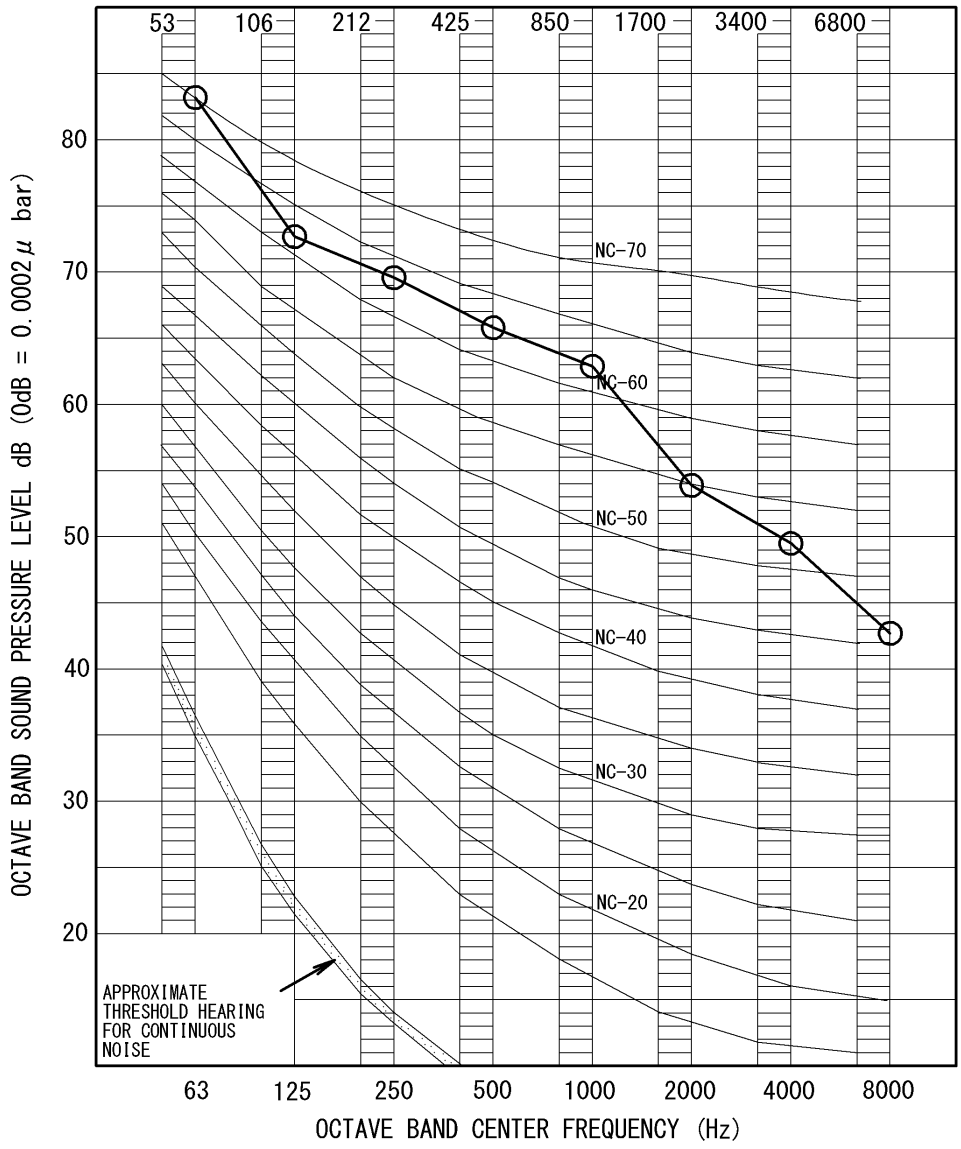
LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

4D144748

RXYQ216AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	68

(B.G.N IS ALREADY RECTIFIED)

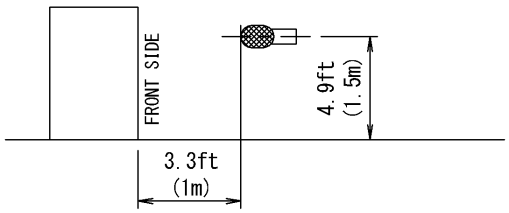
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

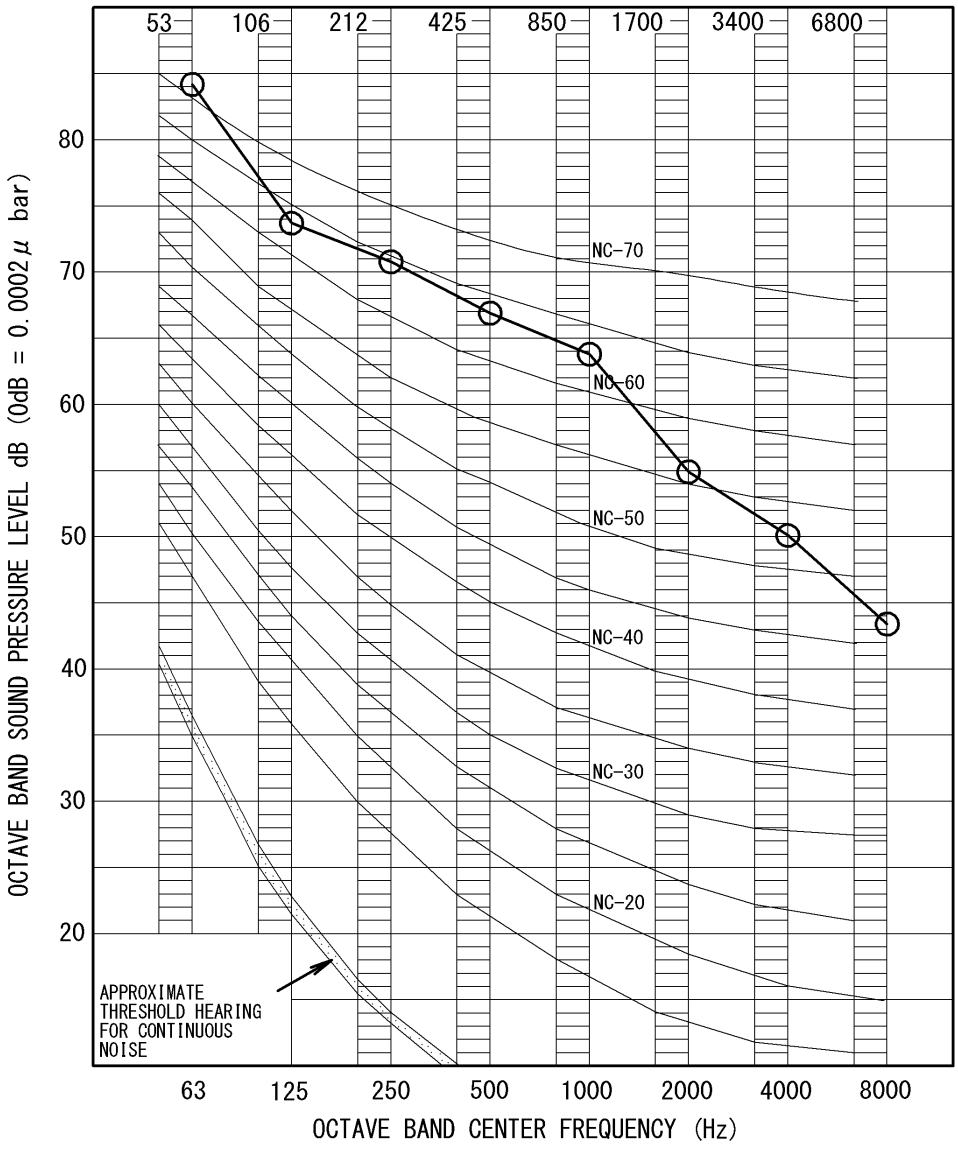
ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

RXYQ240AATJB / AAYDB



OVER ALL (dB)

SCALE	60Hz
A	69

(B.G.N IS ALREADY RECTIFIED)

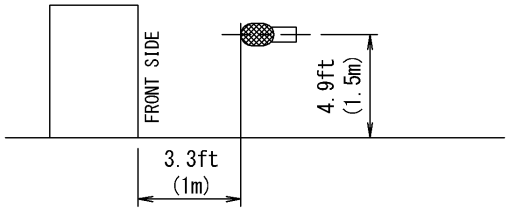
OPERATING CONDITIONS

POWER SOURCE	208/230V	60Hz
	460V	60Hz

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
IF IT IS MEASURED UNDER THE ACTUAL INSTALLATION CONDITIONS,
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

4D144750

12. Accessories

12.1 Optional Accessories

RXYQ - AATJB / AAYDB

Outdoor unit capacity type	Outdoor unit multi connection piping kit and reducer piping kit	REFNET joint kit at the first branch from the outdoor units
RXYQ72, 96A type	-	KHRP26A33T9 KHRP26A33TA
RXYQ120-216A type		KHRP26M72TU9 KHRP26M72TUA
RXYQ240A type		KHRP26M73TU9 KHRP26M73TUA
RXYQ264-480A type	BHFP22P100U BHFP22P100UA + KHFP26P100UA *2	

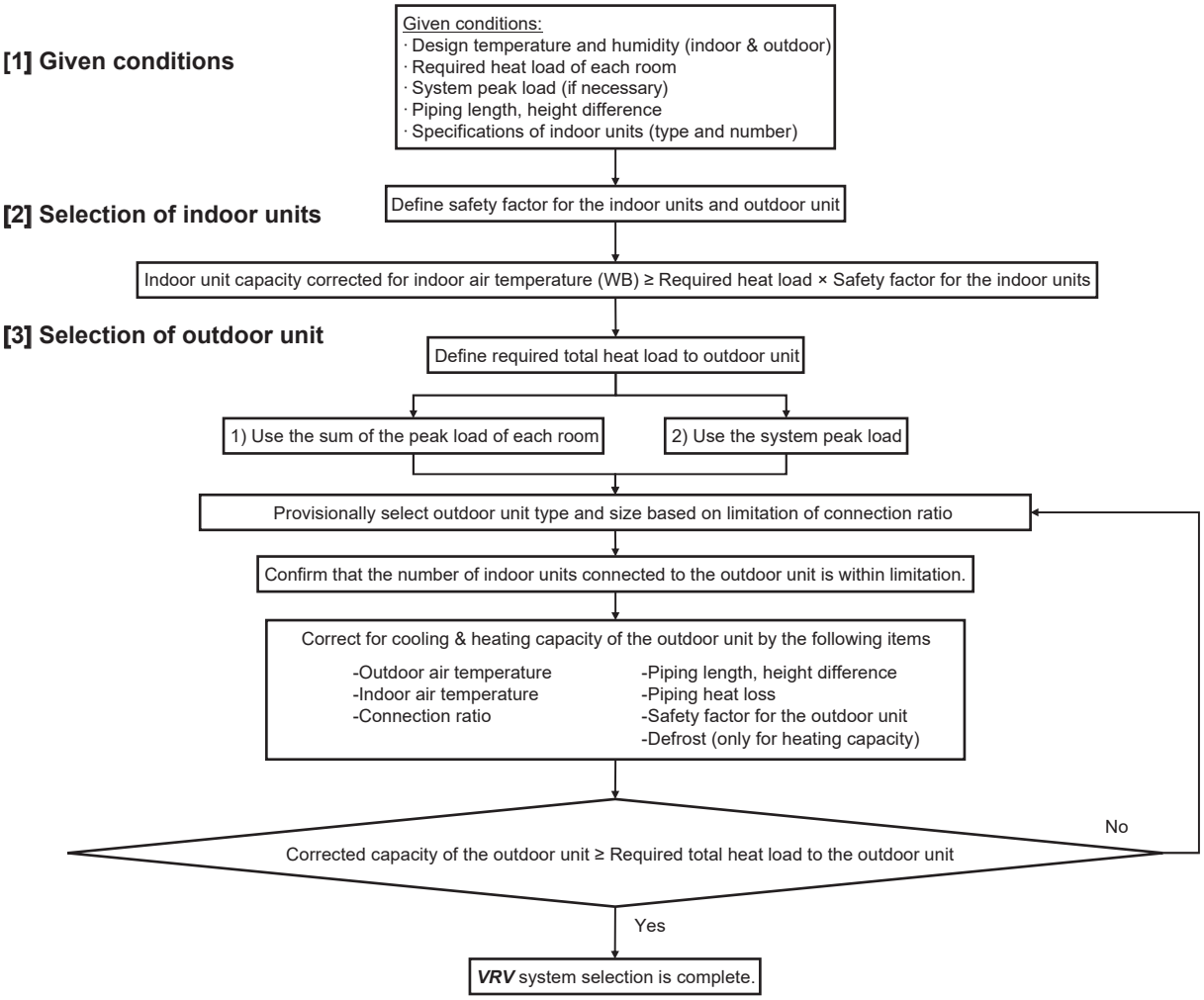
Indoor unit capacity index	REFNET header kit *1	REFNET joint kit *1
<72	KHRP26M22H9 KHRP26M22HA (Max. 4 branch)	KHRP26A22T9 KHRP26A22TA
	KHRP26M33H9 KHRP26M33HA (Max. 8 branch)	
72≤×<111	KHRP26M33H9 KHRP26M33HA	KHRP26A33T9 KHRP26A33TA
111≤×<230	KHRP26M72H9 KHRP26M72HA	KHRP26M72TU9 KHRP26M72TUA
230≤×<246	KHRP26M73HU9 KHRP26M73HUA	
≥246		KHRP26M73TU9 KHRP26M73TUA

*1. For REFNET joints and REFNET headers, select the proper branch kit model based on the total capacity of all indoor units connected after the refrigerant branch.
*2. This reducer pipe kit is required for RXYQ264-480A models.

13. Selection Procedure

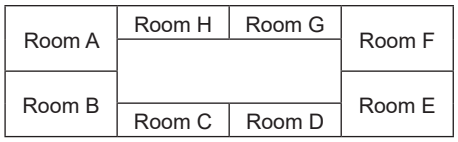
13.1 Selection Procedure

Flowchart



Selection Example

The following is a selection example based on total heat load for cooling.



Floor plan

[1] Given conditions

-Design conditions

Indoor air temperature: 67°FWB / 80°FDB, Outdoor air temperature: 93°FDB

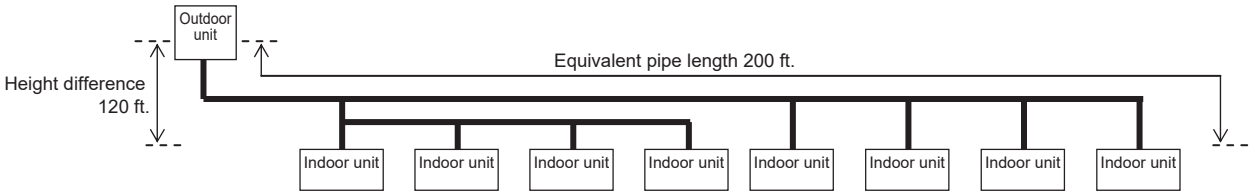
-Determine peak load of each room (and system peak load if necessary)

-Required heat load of each room

Time	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H	Total
9:00	16.4	16.5	10.4	10.4	**30.9**	**30.8**	10.0	10.0	135.4
12:00	22.4	24.4	**17.3**	**17.3**	25.1	23.2	13.7	13.7	157.1
14:00	30.7	32.2	16.8	16.8	24.9	23.4	**14.1**	**14.1**	**173.0**
16:00	**36.1**	**36.4**	13.3	13.3	21.5	21.2	13.0	13.0	167.8

Total heat load (MBH)

From the above heat load calculation, the maximum heat load for the system (system peak load) is 173.0 MBH.



Select ***VRV*** indoor units FXMQ-TB series for each room.

-Safety factor

In this example, safety factor is not used. (i. e., safety factor = 1.0)

[2] Selection of indoor units

Calculate total heat capacity of indoor units corrected for indoor air temperature.

In case design temperature of the indoor air falls between temperatures listed in the table, calculate the capacity by interpolation.

The corrected total heat capacity of indoor units shall satisfy the maximum heat load of each room.

Capacity table of indoor unit
Cooling Capacity

Model	Indoor air temp. °FWB (°CWB) (Te: 43°F (6°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
FXMQ15TBVJU	11.4	9.3	12.9	10.2	14.2	10.4	14.5	10.1	14.6	10.0	14.8	9.5
FXMQ18TBVJU	14.5	12.3	16.3	13.5	18.0	13.8	18.4	13.5	18.7	13.3	18.8	13.0
FXMQ24TBVJU	19.3	15.0	21.9	16.6	24.0	16.8	24.4	16.4	24.7	16.1	25.1	15.6
FXMQ30TBVJU	24.2	20.0	27.6	22.2	30.0	22.4	30.6	21.8	31.0	21.4	31.6	20.8
FXMQ36TBVJU	29.1	22.9	33.0	25.2	36.0	25.7	36.7	25.1	37.2	24.7	37.9	23.9
FXMQ48TBVJU	38.8	30.7	44.1	33.9	48.0	34.8	49.0	33.9	49.7	33.4	50.5	32.2
FXMQ54TBVJU	46.1	36.9	52.5	40.9	57.0	41.8	58.2	40.8	59.1	40.2	59.9	38.6

TC: Total capacity: MBH
SHC: Sensible heat capacity: MBH

Selection results of indoor units

	Room A	Room B	Room C	Room D	Room E	Room F	Room G	Room H
Max. heat load (MBH)	36.1	36.4	17.3	17.3	30.9	30.8	14.1	14.1
Selected IDU	FXMQ48TBVJU	FXMQ48TBVJU	FXMQ18TBVJU	FXMQ18TBVJU	FXMQ36TBVJU	FXMQ36TBVJU	FXMQ15TBVJU	FXMQ15TBVJU
Corrected TC (MBH)	48.0	48.0	18.0	18.0	36.0	36.0	14.2	14.2

* In case of selection based on Total Heat Load and Sensible Heat Load, select indoor units which satisfy not only the Total Heat Load but also the Sensible Heat Load of each room. The sensible heat capacity of indoor units is to be corrected for indoor air temperature. If the design temperature of indoor air falls between temperatures listed in table, calculate sensible heat capacity by using the bypass factor calculated by interpolation for each indoor air temperature.

[3] Selection of outdoor unit

[3] –1 Define the required total heat load from the indoor units to the outdoor unit

Define the required total heat load (A) based on (1) the sum of the peak load of each room or (2) the system peak load.
In this example, select an outdoor unit by (2).
Therefore, (A) = 173.0 MBH

[3] –2 Provisionally select outdoor unit
(1) Calculate CI (Capacity Index) of the selected indoor units.

CI of ***VRV*** indoor units
CI of FXMQ15TBVJU = 15
CI of FXMQ18TBVJU = 18
CI of FXMQ36TBVJU = 36
CI of FXMQ48TBVJU = 48

Capacity Range		0.5 ton	0.6 ton	0.8 ton	1 ton	1.25 ton	1.5 ton		2 ton	2.5 ton	3 ton	3.5 ton	4 ton	4.5 ton	5 ton	6 ton	8 ton	Power Supply, Standard
Capacity Index		5.8	7.5	9.5	12	15	18	20	24	30	36	42	48	54	60	72	96	
HSP concealed ducted unit	FXMQ	—	—	—	—	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	—	—	VJU

Calculate the total CI of the indoor units.
Total CI = 15 × 2 + 18 × 2 + 36 × 2 + 48 × 2 = 234

(2) Provisionally select an outdoor unit based on the total CI of the indoor units

The connection ratio of RXYQ-AA shall be between 50% and 130%.
As the total CI of the indoor units is 234, outdoor units from 16 ton to 38 ton are connectable.
Start from 16 ton which is the smallest outdoor unit.

Type	Ton	Capacity index	Model name	Total capacity index of connectable indoor units *1	Maximum number of connectable indoor units
Single outdoor unit	6	72	RXYQ72AATJB RXYQ72AAYDB	36 to 93 (144)	12
	8	96	RXYQ96AATJB RXYQ96AAYDB	48 to 124 (192)	16
	10	120	RXYQ120AATJB RXYQ120AAYDB	60 to 156 (240)	20
	12	144	RXYQ144AATJB RXYQ144AAYDB	72 to 187 (288)	25
	14	168	RXYQ168AATJB RXYQ168AAYDB	84 to 218 (336)	29
	16	192	RXYQ192AATJB RXYQ192AAYDB	96 to 249 (384)	33
	18	216	RXYQ216AATJB RXYQ216AAYDB	108 to 280 (432)	37
	20	240	RXYQ240AATJB RXYQ240AAYDB	120 to 312 (480)	41
Double outdoor units	22	264	RXYQ264AATJB RXYQ264AAYDB	132 to 343 (528)	45
	24	288	RXYQ288AATJB RXYQ288AAYDB	144 to 374 (576)	49
	26	312	RXYQ312AATJB RXYQ312AAYDB	156 to 405 (624)	54
	28	336	RXYQ336AATJB RXYQ336AAYDB	168 to 436 (672)	58
	30	360	RXYQ360AATJB RXYQ360AAYDB	180 to 468 (720)	62
	32	384	RXYQ384AATJB RXYQ384AAYDB	192 to 499 (768)	64
	34	408	RXYQ408AATJB RXYQ408AAYDB	204 to 530 (816)	64
	36	432	RXYQ432AATJB RXYQ432AAYDB	216 to 561 (864)	64
	38	456	RXYQ456AATJB RXYQ456AAYDB	228 to 592 (912)	64
	40	480	RXYQ480AATJB RXYQ480AAYDB	240 to 624 (960)	64

(3) Confirm that the number of the connected indoor units is within the limitation.

The number of the connected indoor units = 8
The max. number of connectable indoor units of 16 ton outdoor unit = 33

[3] –3 Calculate the corrected capacity of the outdoor unit.

-Calculate the connection ratio of the system.

Total CI = 234, CI of RXYQ192AAYDB = 192

Connection ratio = 234 / 192 = 122%

-Using the capacity table of the outdoor unit, calculate the capacity (B) corrected for outdoor air temperature, indoor air temperature, and connection ratio.

* In case the outdoor air temperature, the indoor air temperature, or the connection ratio falls between temperatures listed in the table, calculate the capacity by interpolation.

RXYQ192AATJB /AAYDB Cooling Capacity for Standard Condition (Te: 43°F)

Connection ratio	Outdoor air temp.	Indoor air temp. (°FWB)													
		57		61		64		67		70		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	23	146	5.40	188	7.10	219	8.46	250	9.86	271	10.9	275	10.9	281	11.0
	30	146	5.56	188	7.33	219	8.74	250	10.2	265	11.0	269	11.1	275	11.2
	40	146	5.82	188	7.69	219	9.17	250	11.1	256	11.2	260	11.3	266	11.4
	50	146	6.10	188	8.08	219	9.85	242	11.4	248	11.5	251	11.5	257	11.6
	54	146	6.23	188	8.25	219	10.2	238	11.4	244	11.5	248	11.6	254	11.7
	58	146	6.35	188	8.43	219	10.5	235	11.5	241	11.6	245	11.7	250	11.8
	62	146	6.49	188	8.69	219	10.9	231	11.6	237	11.7	241	11.8	247	11.9
	66	146	6.63	188	8.99	219	11.3	228	11.7	234	11.8	238	11.9	243	12.0
	70	146	6.77	188	9.46	219	11.9	224	12.0	230	12.1	234	12.2	240	12.3
	72	146	6.94	188	9.83	217	12.2	223	12.3	229	12.4	232	12.5	238	12.6
	75	146	7.34	188	10.4	214	12.6	220	12.7	226	12.9	230	12.9	236	13.1
	79	146	7.89	188	11.2	211	13.2	217	13.4	222	13.5	226	13.6	232	13.7
	83	146	8.47	188	12.1	207	13.8	213	14.0	219	14.1	223	14.2	229	14.3
	87	146	9.09	188	13.0	204	14.4	210	14.6	216	14.7	219	14.8	225	15.0
	91	146	9.75	188	14.0	200	15.0	206	15.2	212	15.4	216	15.5	217	15.5
	93	146	10.1	188	14.5	199	15.3	205	15.5	210	15.7	212	15.7	212	15.7
	95	146	10.4	188	15.0	197	15.7	203	15.8	208	16.0	208	16.0	208	16.0
	99	146	11.2	188	16.1	194	16.3	199	16.4	199	16.5	200	16.5	200	16.5
	103	146	12.0	184	16.7	190	16.9	191	16.9	191	16.9	191	16.9	191	16.9
	106	146	12.8	182	17.4	184	17.5	185	17.5	185	17.5	185	17.5	185	17.5
	110	146	13.9	176	18.2	176	18.3	176	18.3	176	18.3	176	18.3	176	18.3
	115	142	14.7	142	14.8	142	14.9	143	14.9	143	15.0	143	15.0	143	15.0
	118	121	12.6	122	12.7	122	12.7	122	12.8	123	12.8	123	12.9	123	12.9
	122	94.5	9.82	94.9	9.88	95.2	9.92	95.5	9.96	95.9	10.0	96.1	10.0	96.4	10.1
120	23	135	4.96	173	6.49	202	7.71	230	8.98	259	10.3	271	10.9	276	11.0
	30	135	5.11	173	6.70	202	7.96	230	9.28	259	10.8	264	11.0	270	11.1
	40	135	5.34	173	7.02	202	8.36	230	9.82	252	11.2	256	11.2	261	11.3
	50	135	5.59	173	7.37	202	8.79	230	10.6	244	11.4	247	11.4	252	11.5
	54	135	5.70	173	7.53	202	9.04	230	11.0	240	11.5	244	11.5	249	11.6
	58	135	5.82	173	7.68	202	9.34	230	11.4	237	11.6	240	11.6	246	11.7
	62	135	5.94	173	7.85	202	9.66	228	11.5	233	11.6	237	11.7	242	11.8
	66	135	6.06	173	8.02	202	9.99	224	11.6	230	11.7	233	11.8	239	11.9
	70	135	6.19	173	8.43	202	10.5	221	11.9	226	12.0	230	12.1	235	12.2
	72	135	6.26	173	8.76	202	10.9	219	12.2	224	12.3	228	12.4	233	12.5
	75	135	6.59	173	9.27	202	11.6	217	12.7	222	12.8	225	12.9	231	13.0
	79	135	7.09	173	9.99	202	12.5	213	13.3	218	13.4	222	13.5	227	13.6
	83	135	7.60	173	10.7	202	13.5	210	13.9	215	14.0	219	14.1	224	14.2
	87	135	8.15	173	11.5	201	14.3	206	14.5	211	14.6	215	14.7	220	14.9
	91	135	8.73	173	12.4	197	15.0	203	15.1	208	15.2	212	15.3	217	15.5
	93	135	9.04	173	12.8	196	15.3	201	15.4	206	15.6	210	15.7	212	15.7
	95	135	9.35	173	13.3	194	15.6	199	15.7	205	15.9	208	16.0	208	16.0
	99	135	10.0	173	14.3	190	16.2	196	16.3	199	16.5	200	16.5	200	16.5
	103	135	10.7	173	15.3	187	16.8	191	16.9	191	16.9	191	16.9	191	16.9
	106	135	11.4	173	16.3	184	17.5	185	17.5	185	17.5	185	17.5	185	17.5
	110	135	12.4	173	17.9	176	18.3	176	18.3	176	18.3	176	18.3	176	18.3
	115	135	13.8	142	14.8	142	14.9	143	14.9	143	15.0	143	15.0	143	15.0
	118	121	12.6	122	12.7	122	12.7	122	12.8	123	12.8	123	12.9	123	12.9
	122	94.5	9.82	94.9	9.88	95.2	9.92	95.5	9.96	95.9	10.0	96.1	10.0	96.4	10.1

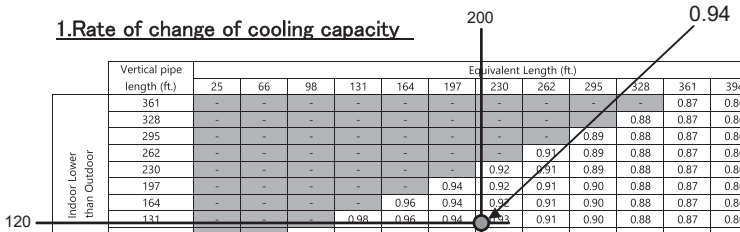
Connection ratio	120%	122%	130%
Cooling capacity	201	(B)	205

(B) = 201 + (205 – 201) × (122 – 120) / (130 – 120) = 201.8

-Confirm capacity correction factor by piping length and level difference (K1)

(K1) = 0.94

1.Rate of change of cooling capacity



	Vertical pipe length (ft.)	Equivalent Length (ft.)													
		25	66	98	131	164	197	230	262	295	328	361	394	427	460
Indoor Lower than Outdoor	361	-	-	-	-	-	-	-	-	-	-	0.87	0.86	0.85	0.84
	328	-	-	-	-	-	-	-	-	-	0.88	0.87	0.86	0.85	0.84
	295	-	-	-	-	-	-	-	-	0.89	0.88	0.87	0.86	0.85	0.84
	262	-	-	-	-	-	-	-	0.91	0.89	0.88	0.87	0.86	0.85	0.84
	230	-	-	-	-	-	-	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84
	197	-	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84
	164	-	-	-	-	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84
	131	-	-	-	0.98	0.96	0.94	0.93	0.91	0.90	0.88	0.87	0.86	0.85	0.84
	98	-	-	1.00	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84
	66	-	1.00	1.00	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84
	25	1.00	1.00	1.00	0.98	0.96	0.95	0.93	0.92	0.90	0.89	0.88	0.86	0.85	0.84
FL±	0	1.00	1.00	1.00	0.98	0.96	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.85	0.85
Indoor Higher than Outdoor	25	1.00	1.00	1.00	0.98	0.97	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85
	66	-	1.00	1.00	0.99	0.97	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85
	98	-	-	1.00	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85
	131	-	-	-	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85
	164	-	-	-	-	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85
	197	-	-	-	-	-	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85
	230	-	-	-	-	-	-	0.94	0.93	0.91	0.90	0.88	0.87	0.86	0.85
	262	-	-	-	-	-	-	-	0.93	0.91	0.90	0.89	0.87	0.86	0.85
	295	-	-	-	-	-	-	-	-	0.91	0.90	0.89	0.87	0.86	0.85
	328	-	-	-	-	-	-	-	-	-	0.90	0.89	0.88	0.86	0.85
	361	-	-	-	-	-	-	-	-	-	-	0.89	0.88	0.87	0.85

-Calculate capacity correction factor by piping heat loss (K2)

(K2) = 1 + (heat loss factor per feet of piping × (equivalent piping length – 25 ft.)) / 100

In cooling mode, heat loss factor per feet at 93°F is calculated as below.

(R) Heat loss factor per feet = 0.072*2 + (0.098*1 – 0.072*2) × (93*3 – 86*4) / (95*5 – 86*4) = 0.0922

Using “Equivalent piping length = 200 ft” and “Heat loss factor per feet = 0.0922”,

(K2) = 1 + (0.0922 × (200 – 25)) / 100 = 1.161

Cooling	Ambient temperature								
Heat loss factor per feet of piping (%)	41°F	50°F	59°F	68°F	77°F	86°F*4	93°F*3	95°F*5	104°F
	0.000	0.000	0.013	0.030	0.046	0.072*2	(R)	0.098*1	0.125

Heating	Ambient temperature							
Heat loss factor per feet of piping (%)	5°F	14°F	23°F	32°F	41°F	50°F	59°F	68°F
	0.328	0.305	0.282	0.256	0.233	0.210	0.187	0.161

-Calculate the corrected capacity of RXYQ192AAYDB (C) by using (K1) and (K2).

Corrected capacity of RXYQ192AAYDB (C) = (B) × (K1) / (K2) (add defrost correction factor for heating capacity)

Therefore (C) = 204.25 × 0.94 / 1.161 = 165.5 MBH

If the corrected capacity (C) is the same or greater than the required total heat load (A), selection is complete.

If (C) < (A), return to Procedure [3]–2 and provisionally select a larger outdoor unit.

In this example, 165.5 MBH (C) < 173.0 MBH (A), so need to select a larger outdoor unit.

The capacity of RXYQ216AAYDB at the same condition is 177.54 MBH, which is more than the heat load (A): 173.0 MBH.

So the selection is complete.

14. Caution Label

14.1 Cautions on Service

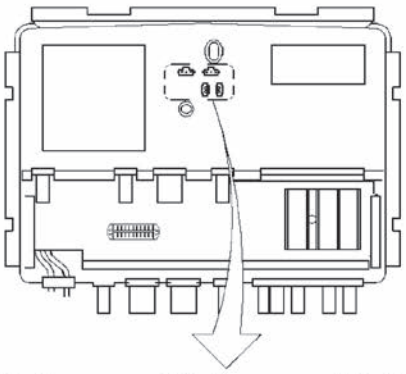
RXYQ - AATJB / AAYDB

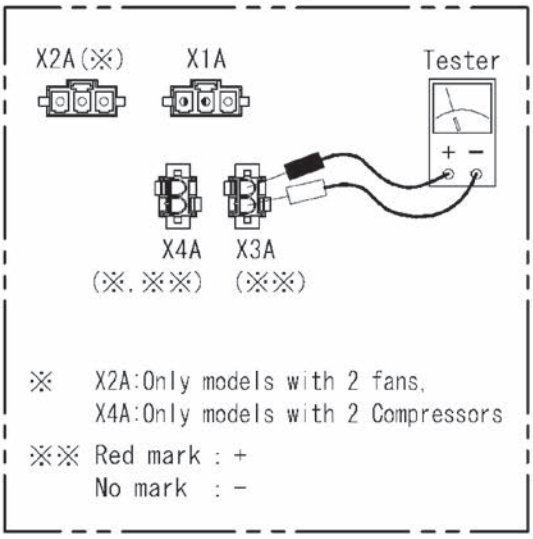
Service Precautions (Touch the non-coating metal part (Ex. the EL. COMPO. BOX cover) to eliminate static electricity before performing service.) After finish service, make sure to close service cover. (water soaking and foreign object may cause failure)

Caution when performing service inside the EL. COMPO. BOX

⚠ WARNING | ⚠ Caution to ELECTRIC SHOCK

1. Make sure to turn off power supply before remove the EL. COMPO. BOX cover. (Touching electric parts may cause electric shock.)
2. Do not open the EL. COMPO. BOX cover for 10 minutes after the power supply is turned off.
3. Measure the voltage between terminals on the terminal block for power supply with a tester and confirm that the power supply is turned off. In addition, for models that have connector for residual voltage check (X3A, X4A), measure the points shown in the right figure with a tester and confirm that voltage of the capacitor in the main circuit is less than DC50V.
4. To prevent a damage of the PC board touch the non-coating metal part and make sure to eliminate static electricity before pulling out or plugging in the connector.
5. The work must be started after pulling out the junction connector X1A, X2A for the fan motor in the outdoor unit and be careful not to touch the live parts. (If the fan rotates by strong wind, it may cause storage of electricity in the capacitor in the main circuit and electric shock.)
6. After the service is finished, plug in the junction connector.





- For details, see the wiring diagram labeled on the back of the EL. COMPO. BOX cover.
- Otherwise, error code "E7" will be displayed on 7 segment display of outdoor unit PC board (A1P) and in the remote controller due to wrong connection, and normal operation will not be performed.

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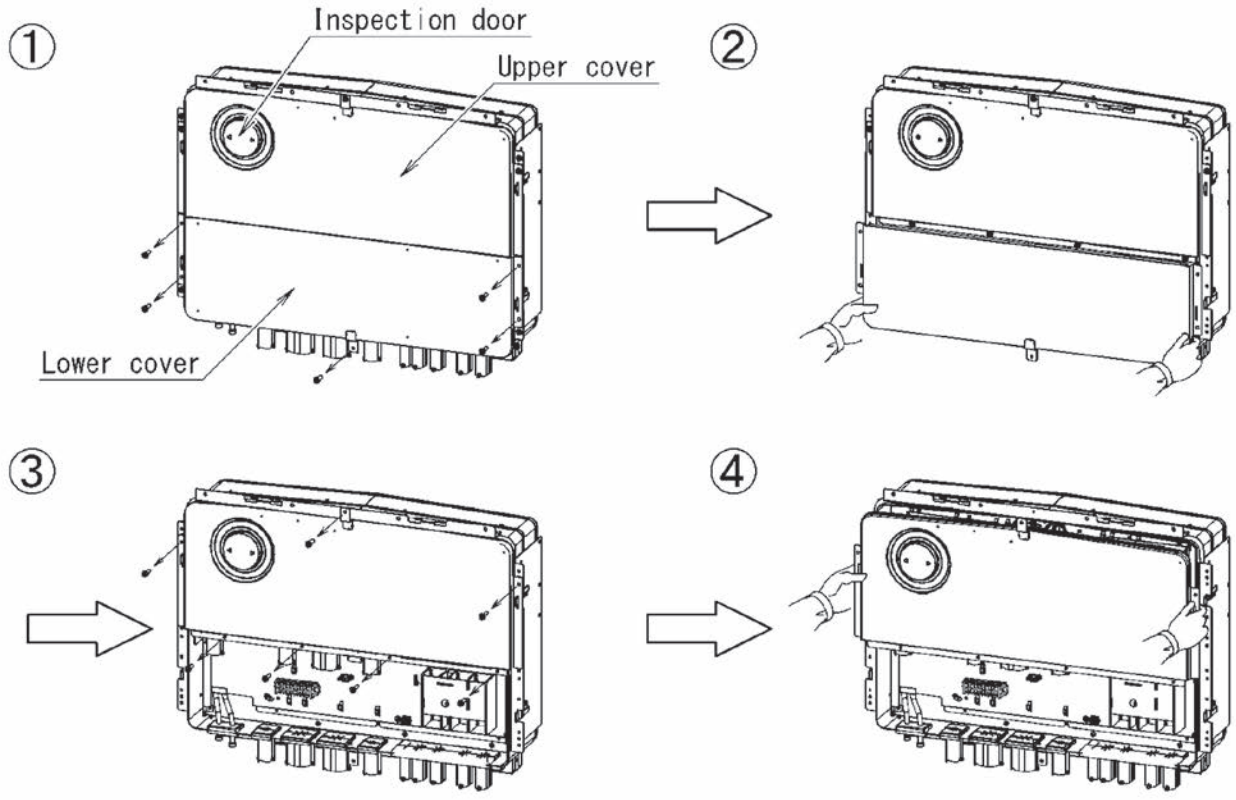
Caution for removing and installing the EL.COMPO.BOX cover

[Method of removal]

① Remove the 5 screws fixing the lower cover.
② Remove the lower cover towards you.
③ Remove the 7 screws fixing the upper cover.
④ Remove the upper cover towards you.

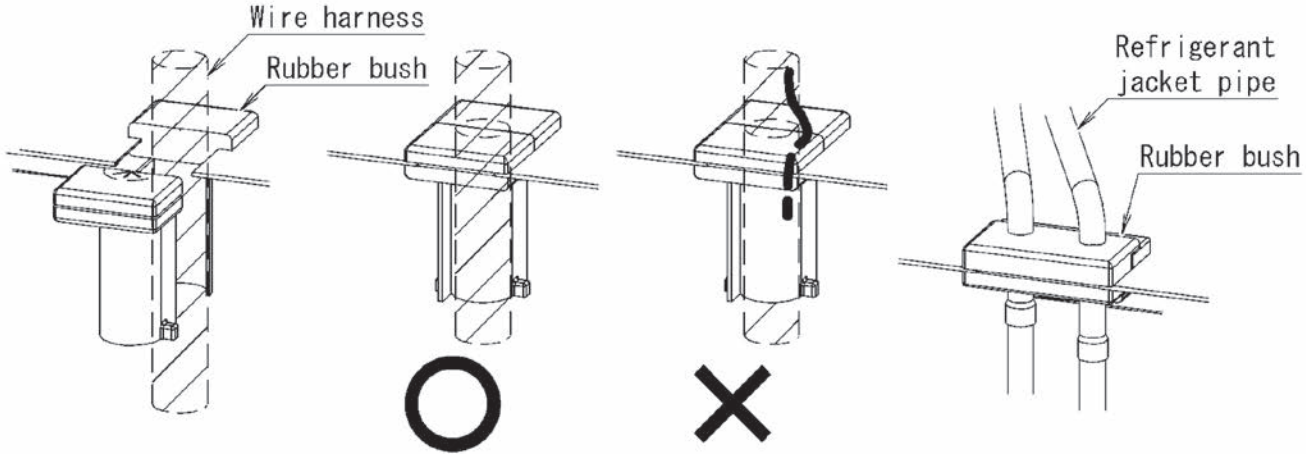
[Method of installation]

For installing the cover follow the procedures in the reverse order.



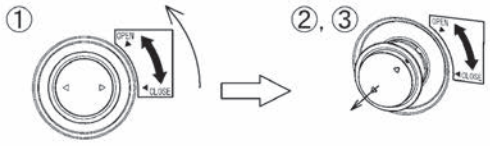
[Caution]

- Pinch the wire harness with a rubber bush.
- Be careful not to chew the wire harness.



Caution for removing and installing the inspection door

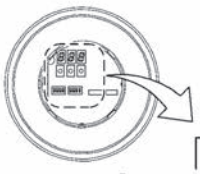
[Method of removal]
① Turn the inspection door counterclockwise.
② Align the ▲ mark with the ▲ mark (open).
③ Remove the inspection door towards you.



Field Setting

1. How to operate

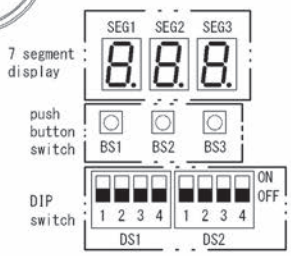
- When setting the DIP switch, make sure to turn off the power supply and open the EL. COMPO. BOX cover.
- For operating the push button switch open the inspection door as shown on the right figure with the power supply turned on and use a resin ballpoint or non-conducting object. After the work is finished, make sure to close the inspection door.



2. Setting by the push button switch (BS1～3)

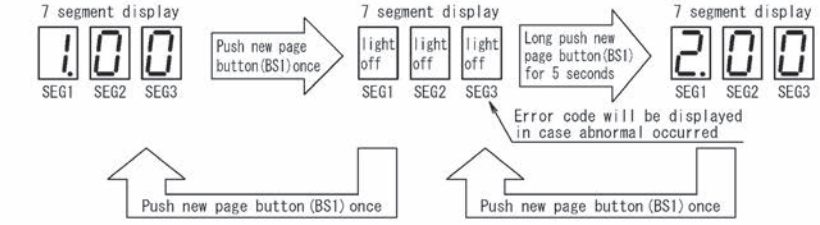
●Function of push button

Push button	Button types	Use
BS1	New page button	For changing setting mode
BS2	Operation button	For changing field setting
BS3	Confirm button	
BS2 long push	Operation button	For check operation
BS3 long push	Confirm button	For resetting the address when the wiring is changed or an additional indoor unit is installed



●Normal mode, Setting mode, Confirmation mode change method

Push new page button (BS1) it can be switched to as shown below Normal mode, Setting mode, Confirmation mode.
(Setting mode can use for setting Ⓐ～Ⓗ items as shown in the table below.
Confirmation mode can use for confirmation of Ⓚ, Ⓛ items as shown in the table below.
(Note) About other setting and error code, see service manual.



- For each type setting, make sure to set by master unit. Sub unit setting is invalid.
- Outdoor unit which connect with indoor units by transmission wiring is master unit, other are sub units.
- Master unit and sub unit can be distinguished by 7 segment display according to operation below.

If you get confused in the setting process, push the new page button (BS1), then it will return to initial state (Normal mode)

			7 segment display		
			SEG1	SEG2	SEG3
(1)	In Normal mode push new page button (BS1) once then make it as Confirmation mode to confirm 7 segment display as shown in right description.		1	0	0
(2)	To confirm master unit or unit1, unit2, push confirmation button (BS3)	Master unit	light off	light off	0
		Sub unit1	light off	light off	1
		Sub unit2	light off	light off	2

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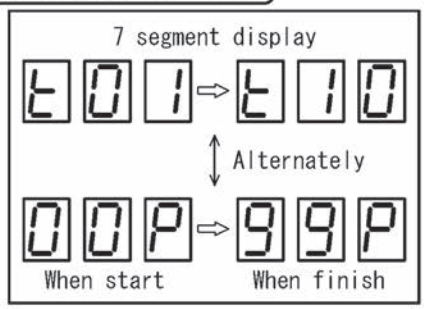
Set [Setting mode] or [Confirmation mode] first, then perform procedure as below.				Details of setting	7 segment display		
					SEG1	SEG2	SEG3
Setting procedure	① Push the operation button (BS2) following to setting items ((Ⓐ~Ⓗ)) and adjust the 7 segment display to require mode shown in the right. (※1) For selecting low noise operation, demand operation by outside order or VRT setting by external control adapter for outdoor unit (optional accessory) is required. For details, see the instruction attached the adapter.			Ⓐ VRT setting (※1)	2	1	1
				Ⓑ External low noise demand operation setting (※1)	2	1	2
				Ⓒ High static pressure setting	2	1	8
				Ⓓ Manual additional refrigerant charge	2	2	0
				Ⓔ Refrigerant recovery / Evacuation mode setting	2	2	1
				Ⓕ Night time low noise setting	2	2	2
				Ⓖ External low noise level setting (※1)	2	2	5
				Ⓗ Demand operation level setting (※1)	2	3	0
	② Push the confirmation button (BS3) (The present setting will be indicated).				Either of ③		
	③ Push the operation button (BS2) and adjust the 7 segment display to required mode, shown in the right. (※2) Setting level efficiency		For Ⓐ	OFF (Factory setting)	light off	light off	0
				VRT setting by connecting "low noise sound" terminal	light off	light off	1
				VRT setting by connecting "demand input" terminal	light off	light off	2
		For Ⓕ and Ⓖ: Setting value: level 1~level 3	For ⒷⒸⒺ	ON	light off	light off	1
		For Ⓕ and Ⓖ: Noise value: ——→ low noise		OFF (Factory setting)	light off	light off	0
		For Ⓗ: Setting value: level 1~level 8	For Ⓓ	For manual additional refrigerant charging operation	light off	light off	1
		For Ⓗ: Power consumption: less power ←——	For Ⓕ (※2)	OFF (Factory setting)	light off	light off	0
		For details, see the service manual. (※3) A is a number of 1 ~ 3 (※4) B is a number of 1 ~ 8		level A (※3)	light off	light off	A(※3)
			For Ⓖ (※2)	level A (※3) (Factory setting:2)	light off	light off	A(※3)
			For Ⓗ (※2)	level B (※4) (Factory setting:3)	light off	light off	B(※4)
	④ Push confirmation button (BS3)			The setting in ③ is defined	If will turn to light ON.		
	⑤ Push confirmation button again (BS3)			The system start the operation according to the setting.	2	0	0
	⑥ Push new page button (BS1)			Return to Normal mode	light off	light off	light off
Confirmation procedure	① Push operation button (BS2) according to confirmation item ((Ⓚ, Ⓛ)) and adjust the 7 segment display to required mode, shown in the right.			Ⓚ Low noise mode	1	0	1
				Ⓛ Demand operation	1	0	2
	② Push confirmation button (BS3) (The present setting will be indicated)			For during setting operation	light off	light off	1
				For during normal operation	light off	light off	0

Check operation method

Make sure to open the gas side and liquid side stop valve before starting operation.

- Make sure to turn on the power supply of all connect units (indoor・outdoor) before operation.
- Make sure to close all outside panels, then operate. If not, the system cannot be checked properly.

- For multi system, make sure to confirm setting and result indication by master unit.
- Make sure to carry out the check operation after the first installation. Otherwise, the error code. "U3" will be displayed in the remote controller. Normal operation can be carried out after 5 minutes from check operation.
- The check operation is automatically carried out in a cooling mode. The 7 segment will be indicated as shown in right, and "Test operation" and "Under centralized" will be displayed in the remote controller.
- During the check operation, it is impossible to stop the unit from the remote controller. When discontinue the operation, push the confirmation button (BS3). The system will stop after behind operation for 30 seconds.
- It may takes 5 minutes to bring the state of refrigerant uniform before the compressor starts. Moreover, during the check operation, the refrigerant running sound, the magnetic sound of a solenoid valve may become loud during operation, but these are not malfunctions.
- The abnormality of each indoor unit cannot be checked. After the check operation is finished, check the indoor units individually by normal operation using the remote controller.



【Operation procedure】

① To protect the compressor, make sure to turn on the power supply for 6 hours before starting operation. After turning on the power supply, the unit can not start the operation until 7 segment goes off. (Maximum 12 minutes)

Result	7 segment display
Normally finished	Light off
Abnormally finished	Error code

② In stop condition, set to Normal mode.

③ Push the operation button (BS2) for 5 seconds or more (Then the unit will start the check operation).

④ When the checks are completed (unit run for 30~40 min.), the system will stop automatically. Check the operation results by the outdoor unit 7 segment display (see the table shown upward).

Push new page button (BS1) in case taking a wrong operation, then follow procedure since ② again.

【Measure for error finish】

① Confirm the error code by the remote controller and 7 segment display, and correct the abnormality (For how to correct abnormality and correction method, see the Installation manual, Operation manual and Service manual)

② After correcting the abnormality, push the confirmation button (BS3) and reset the error code.

③ Carry out the check operation again and confirm that the abnormality is properly corrected.

Additional refrigerant charging operation

・When installation was finished, make sure to charge the refrigerant by using this procedure. If the refrigerant quantity is insufficient, the unit may malfunction.

Setting procedure [Refrigerant charging function] see detail in installation manual.

① Calculate the additional refrigerant charging amount (see additional refrigerant charge label on back side of front panel).
Then select refrigerant charging method (A, B or C).
Note) A: Automatic refrigerant charging with test run method (>4 kg).
B: Automatic refrigerant charging method (>4 kg).
C: Manual refrigerant charging method.

② Connect the refrigerant charge hose to the stop valve service port: only liquid side.
※ In case of refrigerant amount ≤4 kg skip to ④ ⇨ ⑥ ⇨ ⑦.

③ Make sure to completely close stop valve on the gas side and the liquid side.

④ Turn on the power of the indoor unit and the outdoor unit. To protect the compressor, make sure to turn on the power supply for 6 hours before starting operation.

⑤ In the stopped status, open refrigerant cylinder valve and charge quantity as below table.

Method	Charge quantity	After charge finish
A	Pre-charge 50% (±10%) of calculated refrigerant amount	Continue ⑥ ⇨ ⑦ ⇨ ⑧
B		Continue ⑥ ⇨ ⑦ ⇨ ⑧ ⇨ ⑨
C	Calculated refrigerant amount ※	Finish (Go to "Check operation method")

※ If can't reach, the operation charging is require. Please see the procedure in installation manual.

<A-method only>	<B-method only>
⑥ Remove refrigerant charge hose and connect it to auto charge valve. Then open gas and liquid stop valve.	
⑦ Activate outdoor unit field setting [2-3]=2	⑦ Perform the automatic charging.
・The operation is automatically started 7 segment display will be change as shown in right (up) and "Test operation" and "Under centralized control" are displayed in the remote controller.	
	・Low pressure indication may display on 7 segment (as shown in right (down)). However, operation can be carried out continuously.
⑧ After charging the specified quantity of refrigerant, close refrigerant cylinder valve.	
⑨ Push BS1 to leave program.	
・The operation is automatically stopped within 30 minutes, if charging is not completed, set and perform the addition refrigerant charging operation again. ・If the additional refrigerant charging operation is stopped soon, the refrigerant may be overcharged. Stop additional charging, make sure to confirm charged amount again.	

Test operation・Under centralized control 7 segment display
<A-method only> E01→□□□ (Idle)
<B-method only> E01→□P9 When start When finish

<B-method only> Example 7 Segment display
0.17 MPa 017

Caution for piping work and additional refrigerant charge

・Use the charging hose and gauge manifold designed exclusive use R410A in order to withstand the pressure and prevent impurities (such as SUNISO oil) from mixing into.
・Carry out a nitrogen blow when brazing.
・Charge the additional refrigerant in liquid state.
・Perform the airtightness and the vacuum drying certainly.
(Test pressure 550psi (3.8MPa))

Service mode operation method

・After turning on the power supply, the unit can not start until the 7 segment indication goes off for maximum 12 minutes.
・Do not turn off the power and do not reset the Setting mode when evacuating or recovering the refrigerant. (The expansion valves will close and the system can not be evacuated or recovered the refrigerant)

[Evacuation method] (At the first installation this evacuation is not required. It is only required for service)

① When the units is in stopping condition and under the Setting mode set the Ⓔ Refrigerant recovery/Evacuation mode (※).
② Evacuate the system with a vacuum pump.
③ Push confirm button (BS3) after finish evacuation and reset the evacuation mode.
④ Push new page button (BS1) and reset Setting mode.
(※) The expansion valves in the indoor and outdoor units will be opened completely 7 segment display will be changed as shown in the below and "Test operation" and "Under centralized control" will be displayed in the remote controller. The operation will be rejected.

[Refrigerant recovery operation method] (Make sure to use a refrigerant reclaimer)
7 segment display E01

① When the unit is at standstill and under the Setting mode set the Ⓔ Refrigerant recovery/Evacuation mode to ON.
② Recovery the refrigerant by a refrigerant reclaimer (For details, see the manual attached in refrigerant reclaimer recovery operation method).
③ After completed, push the confirm button (BS3) and reset the refrigerant recovery mode.
④ Push new page button (BS3) and reset Setting mode.

ELECTRIC SHOCK HAZARD!
DISCONNECT ALL REMOTE POWER SUPPLIES BEFORE INSTALLING OR SERVICING THIS EQUIPMENT.
Failure to do so could lead to serious injury or death.
Only a qualified service technician should install or service this equipment.

DANGER D'ELECTROCUTION!
DÉCONNÉCTER TOUTES LES ALIMENTATIONS ÉLECTRIQUES ÉLOIGNEES AVANT D'INSTALLER OU DE REPARER CET APPAREIL.
Le non respect de cette recommandation peut entraîer des blessures graves ou la mort.
Seul un technicien de service qualifié peut installer ou réparer cet appareil.

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14.2 Collective Indications Label

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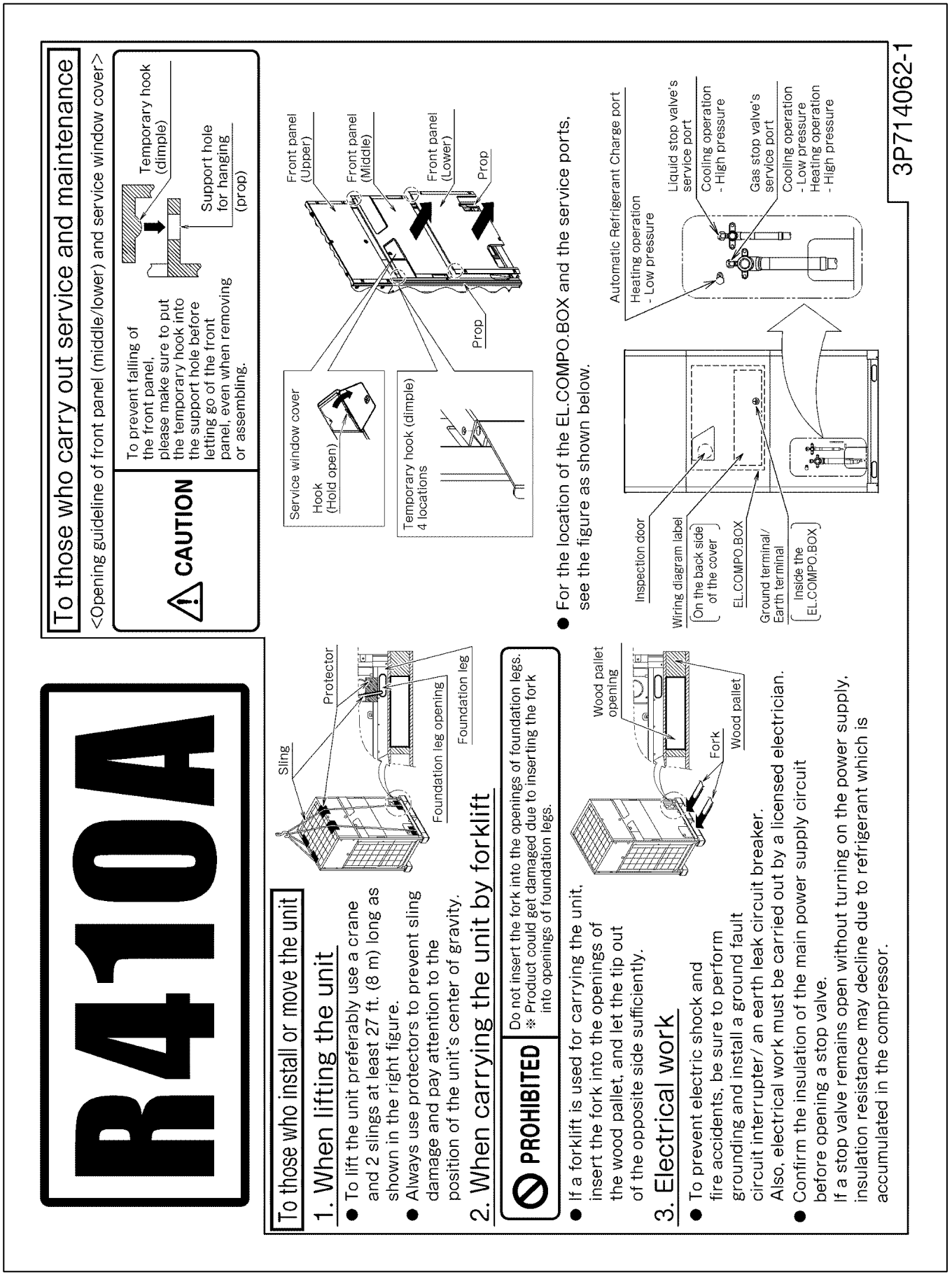
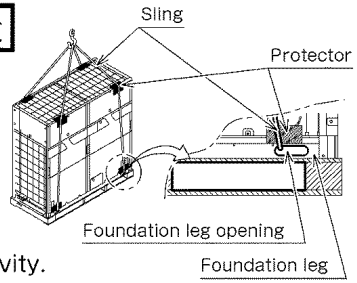


R410A

To those who install or move the unit

1. When lifting the unit

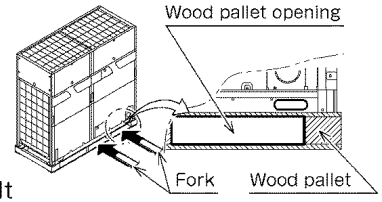
- To lift the unit preferably use a crane and 2 slings at least 27 ft. (8 m) long as shown in the right figure.
- Always use protectors to prevent sling damage and pay attention to the position of the unit's center of gravity.



2. When carrying the unit by forklift

PROHIBITED Do not insert the fork into the openings of foundation legs.
※ Product could get damaged due to inserting the fork into openings of foundation legs.

- If a forklift is used for carrying the unit, insert the fork into the openings of the wood pallet, and let the tip out of the opposite side sufficiently.



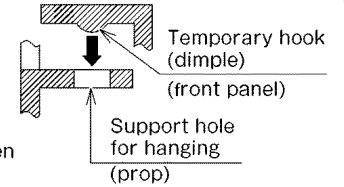
3. Electrical work

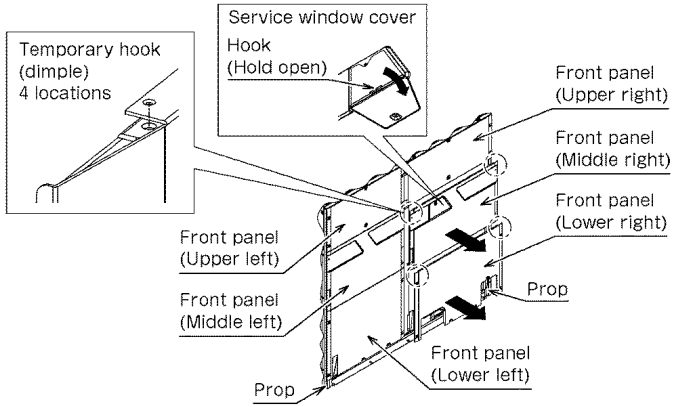
- To prevent electric shock and fire accidents, be sure to perform grounding and install a ground fault circuit interrupter/ an earth leak circuit breaker.
  Also, electrical work must be carried out by a licensed electrician.
- Confirm the insulation of the main power supply circuit before opening a stop valve.
  If a stop valve remains open without turning on the power supply, insulation resistance may decline due to refrigerant which is accumulated in the compressor.

To those who carry out service and maintenance

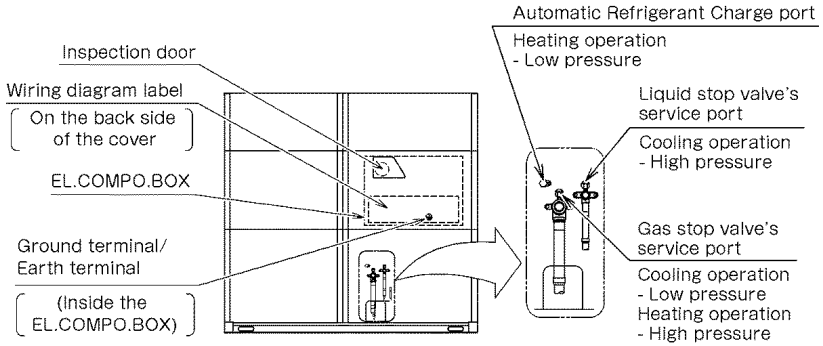
<Opening guideline of front panel (middle/lower) and service window cover>

CAUTION To prevent falling of the front panel, please make sure to put the temporary hook into the support hole before letting go of the front panel, even when removing or assembling.





- For the location of the EL.COMPO.BOX and the service ports, see the figure as shown below.



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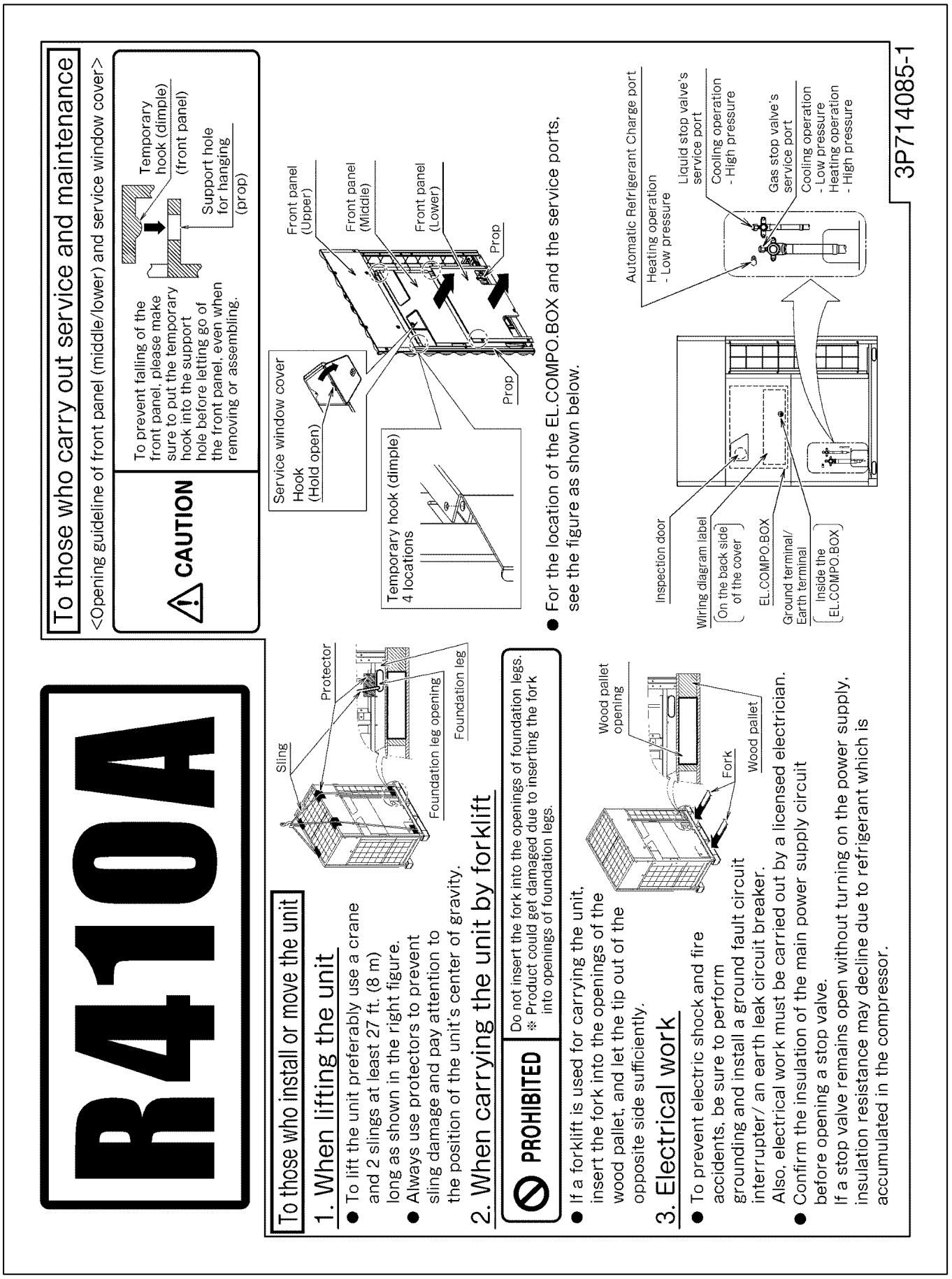


15. Caution for Refrigerant Leaks

15.1 Introduction

The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

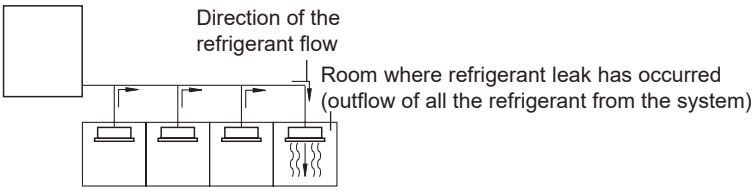
The ***VRV*** System, like other air conditioning systems, uses R410A as refrigerant. R410A itself is an entirely safe non-toxic, non-combustible refrigerant. Nevertheless care must be taken to ensure that air conditioning facilities are installed in a room which is sufficiently large. This assures that the maximum concentration level of refrigerant gas is not exceeded, in the unlikely event of major leak in the system and this in accordance to the local applicable regulations and standards.

Maximum concentration level

The maximum charge of refrigerant and the calculation of the maximum concentration of refrigerant is directly related to the humanly occupied space in to which it could leak.

The unit of measurement of the concentration is lbs./ft.³ (kg/m³) (the weight in lbs. (kg) of the refrigerant gas in 1 ft.³ (1 m³) volume of the occupied space).

Compliance to the local applicable regulations and standards for the maximum allowable concentration level is required.



Pay special attention to places, such as basements, etc. where refrigerant could stay, since refrigerant is heavier than air.

15.2 Procedure for Checking Maximum Concentration

Check the maximum concentration level in accordance with steps 1 to 4 below and take whatever action is necessary to comply.

Step1: Calculate the amount of refrigerant (lbs. (kg)) charged to each system separately.

Amount of refrigerant in a single unit system (amount of refrigerant with which the system is charged before leaving the factory)	+	Additional charging amount (amount of refrigerant added locally in accordance with the length or diameter of the refrigerant piping)	=	Total amount of refrigerant (lbs. (kg)) in the system

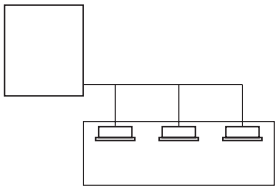
Note:

Where a single refrigerant facility is divided into 2 entirely independent refrigerant systems then use the amount of refrigerant with which each separate system is charged.

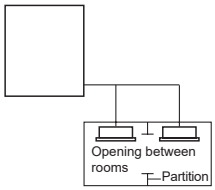
Step 2: Calculate the smallest room volume (ft.³(m³))

In case like the following, calculate the volume of (a), (b) as a single room or as the smallest room.

(a) Where there are no smaller room divisions.

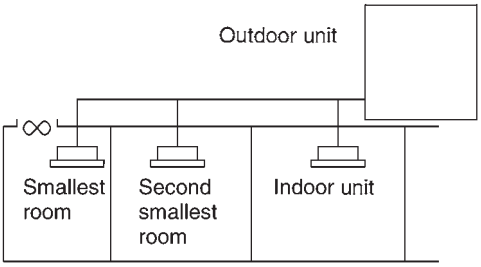


(b) Where there is a room division but there is an opening between the rooms sufficiently large to permit a free flow of air back and forth.



(Where there is an opening without a door or where there are openings above and below the door which are each equivalent in size to 0.15% or more of the floor area.)

(c) Where there is a gas leak detection alarm device linked to a mechanical ventilator in the smallest room then the next smallest room will become the measurement target.



Step 3: Calculating the refrigerant density using the results of the calculations in steps 1 and 2 above.

$$\frac{\text{Total volume of refrigerant in the refrigerant system}}{\text{Size (ft.}^3\text{(m}^3\text{)) of the smallest room in which there is an indoor unit installed}} \leq \text{Maximum concentration level (lbs./ft.}^3\text{(kg/m}^3\text{))}$$

If the result of the above calculation exceeds the maximum concentration level then make similar calculations for the second then third smallest room and so until the result falls short of the maximum concentration.

Step 4: Dealing with the situations where the result exceeds the maximum concentration level.

Where the installation of a facility results in a concentration in excess of the maximum concentration level then it will be necessary to revise the system.

Please consult your Daikin supplier.

16. Safety Devices Setting

FXFQ-AA

Model		FXFQ07AAVJU	FXFQ09AAVJU	FXFQ12AAVJU	FXFQ15AAVJU	FXFQ18AAVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°C	—	—	—	—	—
Fan motor thermal protector	°C	—	—	—	—	—
Drain pump fuse	°C	—	—	—	—	—

Model		FXFQ24AAVJU	FXFQ30AAVJU	FXFQ36AAVJU	FXFQ48AAVJU	FXFQ54AAVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°C	—	—	—	—	—
Fan motor thermal protector	°C	—	—	—	—	—
Drain pump fuse	°C	—	—	—	—	—

C: 4D140940

FXZQ-TB

Model		FXZQ05TBVJU	FXZQ07TBVJU	FXZQ09TBVJU	FXZQ12TBVJU	FXZQ15TBVJU	FXZQ18TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°F (°C)	–	–	–	–	–	–
Fan motor thermal protector	°F (°C)	–	–	–	–	–	–
Drain pump fuse	°F (°C)	–	–	–	–	–	–

C: 4D137360

FXUQ-PA

Model		**FXUQ18PAVJU**	**FXUQ24PAVJU**	**FXUQ30PAVJU**	**FXUQ36PAVJU**
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Drain pump thermal fuse	°F (°C)	–	–	–	–
Fan motor thermal protector	°F (°C)	–	–	–	–
Fan motor thermal fuse	°F (°C)	–	–	–	–

C: 3D133254

FXEQ-P

Model		**FXEQ07PVJU**	**FXEQ09PVJU**	**FXEQ12PVJU**	**FXEQ15PVJU**	**FXEQ18PVJU**	**FXEQ24PVJU**
Printed circuit board fuse	A1P	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal protector	°F (°C)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)	OFF: 223±9 (106±5) ON: 205±27 (96±15)

C: 4D098709

FXDQ-M

Model		FXDQ07MVJU	FXDQ09MVJU	FXDQ12MVJU	FXDQ18MVJU	FXDQ24MVJU
Printed circuit board fuse	A1P	250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°F	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27	OFF: 266±9 ON: 181±27

C: 3D051758

FXSQ-TB

Model		FXSQ05TBVJU	FXSQ07TBVJU	FXSQ09TBVJU	FXSQ12TBVJU	FXSQ15TBVJU	FXSQ18TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—	—	—

Model		FXSQ24TBVJU	FXSQ30TBVJU	FXSQ36TBVJU	FXSQ48TBVJU	FXSQ54TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—	—

C: 3D140708

FXMQ-TB

Model		FXMQ15TBVJU	FXMQ18TBVJU	FXMQ24TBVJU	FXMQ30TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—

Model		FXMQ36TBVJU	FXMQ48TBVJU	FXMQ54TBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—

C: 3D140811

FXMQ-TA

Model		FXMQ72TAVJU	FXMQ96TAVJU
Printed circuit board fuse		250 V, 5 A	250 V, 5 A
Fan motor thermal fuse	°F	–	–
Fan motor thermal protector	°F	OFF: 275±14 (ON: 189±27)	OFF: 275±14 (ON: 189±27)

FXHQ-M

Model		FXHQ12MVJU	FXHQ24MVJU	FXHQ36MVJU
Printed circuit board fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal fuse	°F	–	–	–
Fan motor thermal protector	°F	OFF: 266±9 ON: 176±36	OFF: 266±9 ON: 176±36	OFF: 266±9 ON: 176±36

C: 3D049334A

FXAQ-P

Model		FXAQ07PVJU	FXAQ09PVJU	FXAQ12PVJU	FXAQ18PVJU	FXAQ24PVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal fuse	°F	–	–	–	–	–
Fan motor thermal protector	°F	–	–	–	–	–

C: 4D047085D

FXLQ-M, FXNQ-M

Model		FXLQ07MVJU FXNQ07MVJU	FXLQ09MVJU FXNQ09MVJU	FXLQ12MVJU FXNQ12MVJU	FXLQ18MVJU FXNQ18MVJU	FXLQ24MVJU FXNQ24MVJU
Printed circuit board fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°F (°C)	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less	OFF: 275±18 (135±10) ON: 248 (120) or less

C: 3D045646B

FXTQ-TB

Model	FXTQ09TBVJUA	FXTQ12TBVJUA	FXTQ18TBVJUA	FXTQ24TBVJUA	FXTQ30TBVJUA
Model (with factory disconnect)	FXTQ09TBVJUD	FXTQ12TBVJUD	FXTQ18TBVJUD	FXTQ24TBVJUD	FXTQ30TBVJUD
Printed circuit board fuse (F1U)	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A
Printed circuit board fuse (F2U)	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Others	Blower motor, Fan driver overload protector				

Model	FXTQ36TBVJUA	FXTQ42TBVJUA	FXTQ48TBVJUA	FXTQ54TBVJUA	FXTQ60TBVJUA
Model (with factory disconnect)	FXTQ36TBVJUD	FXTQ42TBVJUD	FXTQ48TBVJUD	FXTQ54TBVJUD	FXTQ60TBVJUD
Printed circuit board fuse (F1U)	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A
Printed circuit board fuse (F2U)	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Others	Blower motor, Fan driver overload protector				

CXTQ-TA

Model	CXTQ24TASBLU	CXTQ36TASBLU	CXTQ48TASBLU	CXTQ60TASBLU
Printed circuit board fuse (F1U)	32 V, 3 A	32 V, 3 A	32 V, 3 A	32 V, 3 A
Printed circuit board fuse (F2U)	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A

4. Appendix

1. Introduction

1.1 ED Book List

Design Manual ..... RXYQ-AA ..... **EDUS342395-D (This booklet)**

Capacity Table Book

Heat Pump ..... RXYQ-AA **EDUS342395-C**

Installation

Heat Pump, Heat Recovery ..... RXYQ REYQ **EDUS371848A-N**

Indoor Units

Ceiling Mounted Cassette Type (Round Flow with Sensing) ... FXFQ-AA **EDUS392234-F14**

VISTA™ 2 × 2 Cassette Unit ..... FXZQ-TB **EDUS392209-F9**

4-Way Blow Ceiling-Suspended Type ..... FXUQ-PA **EDUS392109-F15**

One Way Blow Cassette Type ..... FXEQ-P **EDUS391533A-F16**

Slim Ceiling Mounted Duct Type ..... FXDQ-M **EDUS39-600B-F2**

MSP Concealed Duct Unit ..... FXSQ-TB **EDUS392235-F17**

HSP Concealed Ducted Unit ..... FXMQ-TB **EDUS392236-F4**

Ceiling Mounted Duct Type ..... FXMQ-TA **ED5VRV2S-NA23V1**

Ceiling Suspended Type ..... FXHQ-M **EDUS39-600A-F5**

Wall Mounted Type ..... FXAQ-P **EDUS391100A-F6**

Floor Standing Type / Concealed Floor Standing Type .... FXLQ-M FXNQ-M **EDUS391502A-F7**

Air Handling Unit ..... FXTQ-TB ... **Engineering Data FXTQ-TB**

Cased Coil Unit ..... CXTQ-TA ... **Engineering Data CXTQ-TA**

Branch Selector Unit ..... BSQ-T BSF-Q54T BS-Q54T **EDUS392110-B**

Air Treatment Equipment

Outdoor Air Processing Unit ..... FXMQ-MF **EDUS39-900B-F10**

Energy Recovery Ventilator ..... VAM-G **EDUS711116B**

Controls **EDUS721909A-T**

Remote Controller

Navigation Remote Controller ..... BRC1E73 ..... **EDUS721438**

1.2 Publication List of Engineering Data for VRV Products

Shaded sections indicate Engineering Data Book/s published for this series.
Timing of publication is subject to change without notice.

Outdoor Unit

Refrigerant	Category	Product series	Type	Volts	Model name	Area	Book category	Book No.	Published in
R410A	Air cooled	***VRV EMERION***	H/R	208/230 V 460 V	REYQ-AATJB, AAYDB	USA Canada	Design manual	EDUS372348-D	Feb.2024
							Capacity table	EDUS372348-C	Mar.2024
			H/P	208/230 V 460 V	RXYQ-AATJB, AAYDB	USA Canada	Design manual	EDUS342395-D	Feb.2024
							Capacity table	EDUS342395-C	Mar.2024
		VRV IV-X	H/R	208/230 V 460 V 575 V	REYQ-XATJA, XAYDA, XAYCA	USA Canada	Design manual	EDUS371848D-D	Apr.2022
							Capacity table	EDUS371848B-C	Mar.2022
			H/P	208/230 V 460 V	RXYQ-XATJA, XAYDA	USA Canada	Design manual	EDUS341923A-D	Oct.2020
							Capacity table	EDUS341923-C	Nov.2019
				575 V	RXYQ-XAYCA	Canada	Design manual	EDUS341928A-D	Oct.2020
							Capacity table	EDUS341928-C	Nov.2019
		VRV IV	H/R	208/230 V 460 V	REYQ-TATJA, TAYDA	USA Canada	Design manual	EDUS371704C-D	Feb.2020
							Capacity table	EDUS371704C-C	
				575 V	REYQ-TAYCA	Canada	Design manual	EDUS371706C-D	
							Capacity table	EDUS371706C-C	
			H/P	208/230 V 460 V	RXYQ-TATJA, TAYDA	USA Canada	Design manual	EDUS341703B-D	Jan.2020
							Capacity table	EDUS341703B-C	
				575 V	RXYQ-TAYCA	Canada	Design manual	EDUS341824A-D	
							Capacity table	EDUS341824A-C	
		VRV Aurora	H/R	208/230 V 460 V 575 V	RELQ-TATJA, TAYDA, TAYCA	USA Canada	Design manual	EDUS371705E-D	Mar.2022
							Capacity table	EDUS371705C-C	Feb.2020
			H/P	208/230 V 460 V 575 V	RXLQ-TATJA, TAYDA, TAYCA	USA Canada	Design manual	EDUS341819A-D	Jan.2020
							Capacity table	EDUS341819A-C	
		VRV IV-S	H/P	208/230 V	RXTQ-TBVJUB	USA Canada	Design manual	EDUS332355-D	Oct.2023
							Capacity table	EDUS332355-C	
		VRV LIFE	H/P	208/230 V	RXSQ-TBVJUB	USA Canada	Design manual	EDUS332356-D	Oct.2023
							Capacity table	EDUS332356-C	
		Installation for all ***VRV*** air cooled type					Installation	EDUS371848A-N	Dec.2021
	Water cooled	***VRV-W***	H/P H/R	208/230 V 460 V 575 V	RWEQ-TATJU, TAYDU, TAYCU RWEQ-TATJA, TAYDA	USA Canada	Design manual	EDUS301864C-D	Mar.2022
							Capacity table	EDUS301864A-C	Jan.2020
		Installation for all ***VRV*** water cooled type					Installation	EDUS301864-N	Aug.2019

Note:
C/O: Cooling only, H/P: Heat pump, H/R: Heat recovery

Indoor Unit and Other Products

Refrigerant	Product category	Product type	Model name	Area	Book No.	Published in
R410A	***VRV*** Indoor units	Ceiling Mounted Cassette Type (Round Flow with Sensing)	FXFQ07-54AAVJU	USA	EDUS392234-F14	Oct.2023
		VISTA™ 2 x 2 Cassette Unit	FXZQ05-18TBVJU	USA	EDUS392209-F9	Feb.2022
		4-Way Blow Ceiling- Suspended Type	FXUQ18-36PAVJU	USA	EDUS392109-F15	Jul.2021
		One Way Blow Cassette Type	FXEQ07-24PVJU	USA	EDUS391533A-F16	Jan.2021
		Slim Ceiling Mounted Duct Type	FXDQ07-24MVJU	USA	EDUS39-600A-F2	Mar.2021
		MSP Concealed Ducted Unit	FXSQ05-54TBVJU	USA	EDUS392235-F17	Oct.2022
		HSP Concealed Ducted Unit	FXMQ15-54TBVJU	USA	EDUS392236-F4	Oct.2022
		Ceiling Mounted Duct Type	FXMQ72/96MVJU	USA	EDUS39-900B-F11	Mar.2021
		Ceiling Suspended Type	FXHQ12-36MVJU	USA	EDUS39-600A-F5	Mar.2021
		Wall Mounted Type	FXAQ07-24PVJU	USA	EDUS391100A-F6	Jan.2021
		Floor Standing Type Concealed Floor Standing Type	FXLQ07-24MVJU FXNQ07-24MVJU	USA	EDUS391502A-F7	Jan.2021
		Low-temperature hydrobox	HXY48TAVJU	USA	EDUS392021-F18	Sep.2020
		AHU Integration Kit—Re-Heat	EKEQDCBAV3-US	USA	EDUS392125-F19	Mar.2022
		Cased Coil Unit	CXTQ24-60TASBLU	USA	Engineering Data CXTQ-TA	—
		Air Handling Unit	FXTQ09-60TBVJUA FXTQ09-60TBVJUD	USA	Engineering Data FXTQ-TB	—
		Outdoor Air Processing Unit	FXMQ48-96MFVJU	USA	EDUS39-900B-F10	Mar.2021
		Branch Selector Unit	BSQ-TAVJ BSF-Q54TVJ BS-Q54TAVJ	USA	EDUS392110-B	Jun.2021
	Controls and networks	Control systems Control devices Adaptors	Please refer to ED Book with No. on the right for applicable models.	USA	EDUS721909A-T	Oct.2020
		Navigation remote controller	BRC1E73	USA	EDUS721438	Apr.2015
		intelligent Touch Manager	DCM601A71, DCM601A72	USA	EDUS721212A	Mar.2022
		intelligent Touch Controller	DCS601C71	USA	EDUS72-608	Dec.2006
		Interface for use in BACnet®	DMS502B71	USA	EDUS72-749	Oct.2007
Option for all type			Please refer to ED Book with No. on the right for applicable models.	USA	OHUS07-1	Nov.2007
Energy Recovery Ventilator (VAM)			VAM300-1200GVJU	USA	EDUS711116B	Dec.2020

MEMO

Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any inquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

●Specifications, designs and other content appearing in this brochure are current as of February 2024 but subject to change without notice.