EDUS341923-D
201911

DAIKIN

Engineering Data

Design Manual

RXYQ-XATJA, 208/230 V

RXYQ-XAYDA, 460 V

Heat Pump 60 Hz

R-410A

VRV

Table of Contents

1. Features and Benefits

- Adapting ***VRV*** to North American market needs
  - Industry's first 3-phase variable refrigerant flow system to integrate with communicating gas furnaces.
  - Design flexibility to enlarge system from single to dual module or dual to triple module without change to installed main pipe sizes**.
  - Engineered to optimize capital on phased and tenant fit out commercial buildings.
  - Choice of gas furnace or heat pump heating for optimizing operational costs based on utility cost.
  - Year round comfort and energy savings with Variable Refrigerant Temperature (VRT) technology.

- Technology that matters
  - Corrosion resistant up to 1000† hours Daikin Blue Fin coating as factory standard.
  - Refrigerant cooled inverter technology keeps PCB cool independent of ambient temperature.
  - Added peace of mind with ability of Auto changeover to back up (auxiliary) heat.

- Engineered for maintenance
  - New service window provides ease of access to the multi-functional display without removing the main electrical panel.
  - The built-in multi-functional display is utilized for commissioning and maintenance and quickly converts to digital gauges to provide refrigerant pressure and temperatures.
  - Ease of commissioning with ability to program off site and upload using configurator tool.
  - Field performable intermittent outdoor fan operation to help minimize snow accumulation on fan blades when the system is in thermal off.
  - Seamless integration with M, P, and T-series indoor units.
  - Compatible with the full suite of Daikin ***VRV*** controls.
  - Outstanding 10-Year Parts Warranty* as standard.

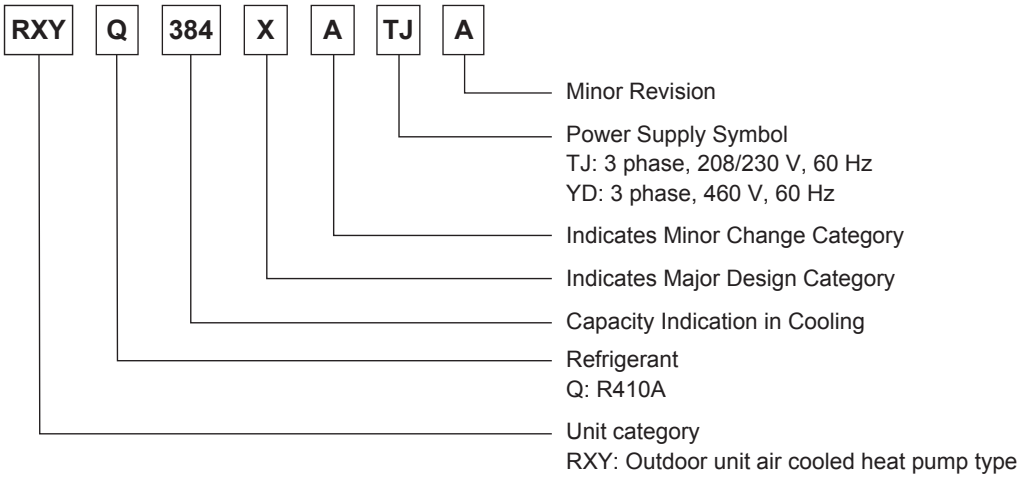
* Complete commercial warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com or www.daikinac.com

† When tested in accordance to ASTM B117 methodology.

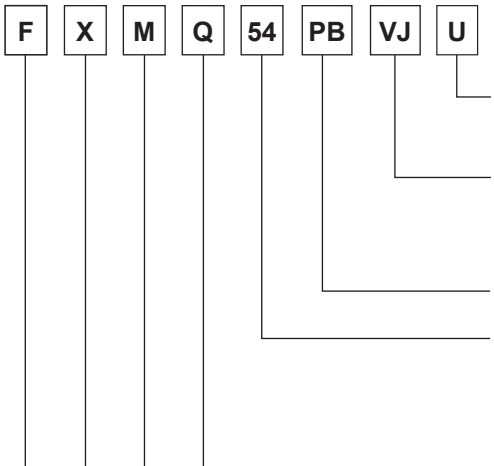
** Refer to engineering manuals for design rules and pipe sizes.

2. Nomenclature

Outdoor Unit



Indoor Unit



Standard symbol
U: United States of America

Power supply symbol
VJ: 1 phase, 208/230 V, 60 Hz
SBL: 1 phase, 120 V, 60 Hz

Indicates major design category

Capacity indication in cooling

05: 5,800 Btu/h	18: 18,000 Btu/h	48: 48,000 Btu/h
07: 7,500 Btu/h	24: 24,000 Btu/h	54: 54,000 Btu/h
09: 9,500 Btu/h	30: 30,000 Btu/h	60: 60,000 Btu/h
12: 12,000 Btu/h	36: 36,000 Btu/h	72: 72,000 Btu/h
15: 15,000 Btu/h	42: 42,000 Btu/h	96: 96,000 Btu/h

Refrigerant
Q: R410A

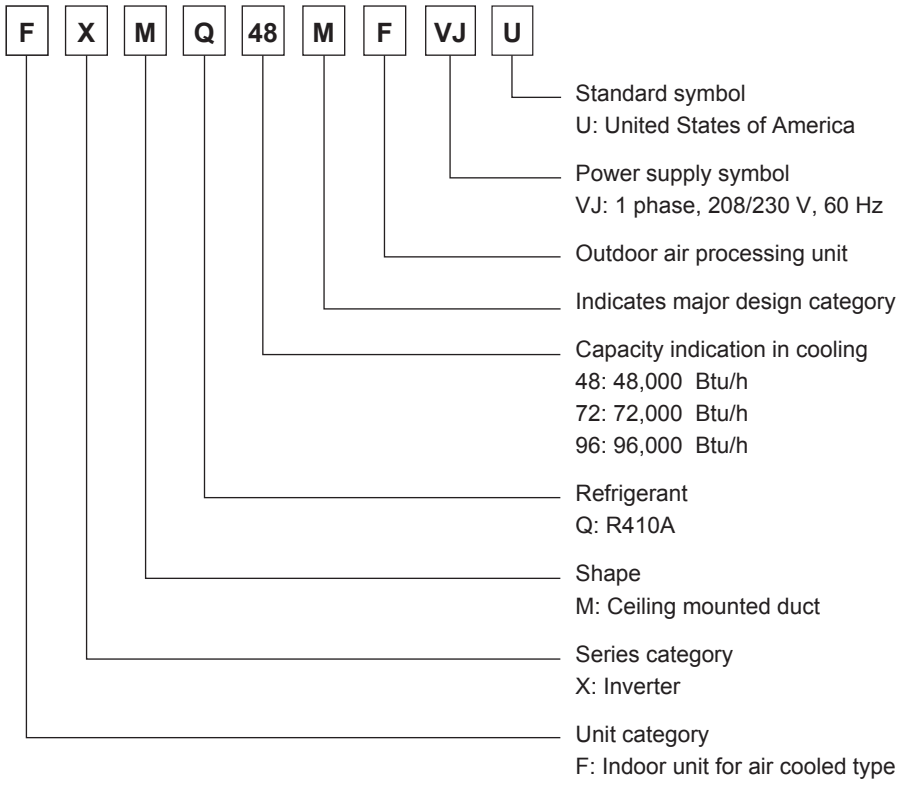
Shape
F: Ceiling mounted cassette (Round flow with sensing)
Z: VISTA™ 2 × 2 cassette unit
U: 4-way blow ceiling-suspended
E: One way blow cassette
D: Slim ceiling mounted duct
S: MSP concealed ducted unit
M: Ceiling mounted duct
H: Ceiling suspended
A: Wall mounted
L: Floor standing
N: Concealed floor standing
T: Air handling unit (FXTQ)
Upflow/Downflow (CXTQ)

Series category
X: Inverter

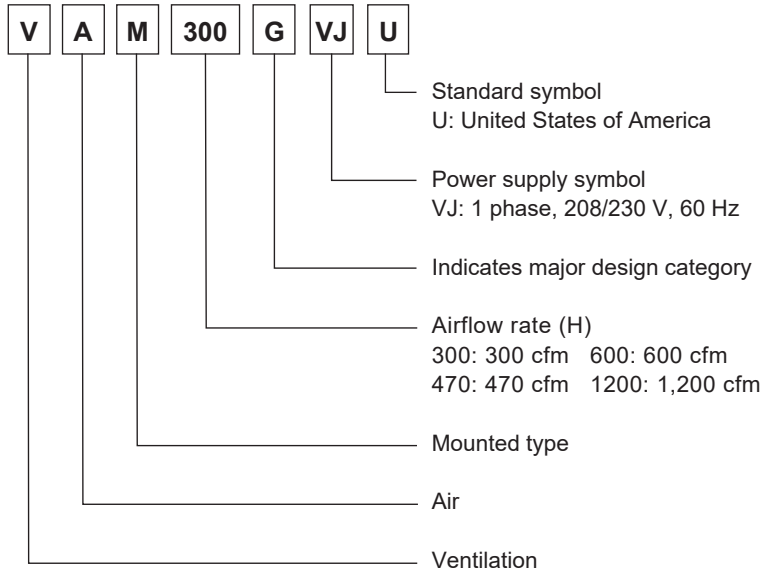
Unit category
F: Indoor unit for air cooled type
C: Cased coil unit

Air Treatment Equipment

Outdoor Air Processing Unit



Energy Recovery Ventilator (VAM series)



3. Model Names

3.1 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	
Heat Pump 208/230 V	RXYQ	72XA	96XA	120XA	144XA	168XA	192XA	216XA	240XA	TJA
Heat Pump 460 V										YDA

Capacity Range		22 ton	24 ton	26 ton	28 ton	30 ton	32 ton	34 ton	Power Supply, Standard
Capacity Index		264	288	312	336	360	384	408	
Heat Pump 208/230 V	RXYQ	264XA	288XA	312XA	336XA	360XA	384XA	408XA	TJA
Heat Pump 460 V									YDA

Note:

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	RXYQ72XATJA	RXYQ96XATJA	RXYQ120XATJA	RXYQ144XATJA	RXYQ168XATJA
Outdoor unit 1	RXYQ72XATJA	RXYQ96XATJA	RXYQ120XATJA	RXYQ144XATJA	RXYQ168XATJA

Model name	RXYQ192XATJA	RXYQ216XATJA	RXYQ240XATJA	RXYQ264XATJA
Outdoor unit 1	RXYQ72XATJA	RXYQ96XATJA	RXYQ120XATJA	RXYQ120XATJA
Outdoor unit 2	RXYQ120XATJA	RXYQ120XATJA	RXYQ120XATJA	RXYQ144XATJA

Model name	RXYQ288XATJA	RXYQ312XATJA	RXYQ336XATJA
Outdoor unit 1	RXYQ144XATJA	RXYQ144XATJA	RXYQ168XATJA
Outdoor unit 2	RXYQ144XATJA	RXYQ168XATJA	RXYQ168XATJA

Model name	RXYQ360XATJA	RXYQ384XATJA	RXYQ408XATJA
Outdoor unit 1	RXYQ120XATJA	RXYQ96XATJA	RXYQ96XATJA
Outdoor unit 2	RXYQ120XATJA	RXYQ120XATJA	RXYQ144XATJA
Outdoor unit 3	RXYQ120XATJA	RXYQ168XATJA	RXYQ168XATJA

Heat Pump 460 V

Model name	RXYQ72XAYDA	RXYQ96XAYDA	RXYQ120XAYDA	RXYQ144XAYDA	RXYQ168XAYDA
Outdoor unit 1	RXYQ72XAYDA	RXYQ96XAYDA	RXYQ120XAYDA	RXYQ144XAYDA	RXYQ168XAYDA

Model name	RXYQ192XAYDA	RXYQ216XAYDA	RXYQ240XAYDA	RXYQ264XAYDA
Outdoor unit 1	RXYQ72XAYDA	RXYQ96XAYDA	RXYQ120XAYDA	RXYQ120XAYDA
Outdoor unit 2	RXYQ120XAYDA	RXYQ120XAYDA	RXYQ120XAYDA	RXYQ144XAYDA

Model name	RXYQ288XAYDA	RXYQ312XAYDA	RXYQ336XAYDA
Outdoor unit 1	RXYQ144XAYDA	RXYQ144XAYDA	RXYQ168XAYDA
Outdoor unit 2	RXYQ144XAYDA	RXYQ168XAYDA	RXYQ168XAYDA

Model name	RXYQ360XAYDA	RXYQ384XAYDA	RXYQ408XAYDA
Outdoor unit 1	RXYQ120XAYDA	RXYQ96XAYDA	RXYQ96XAYDA
Outdoor unit 2	RXYQ120XAYDA	RXYQ120XAYDA	RXYQ144XAYDA
Outdoor unit 3	RXYQ120XAYDA	RXYQ168XAYDA	RXYQ168XAYDA

3.2 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	—	07T	09T	12T	15T	18T	—	24T	30T	36T	—	48T	—	—	—	—	VJU
VISTA™ 2 × 2 cassette unit	FXZQ	05TA	07TA	09TA	12TA	15TA	18TA	—	—	—	—	—	—	—	—	—	—	
4-way blow ceiling-suspended type	FXUQ	—	—	—	—	—	—	18P	24P	30P	36P	—	—	—	—	—	—	
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	05TA	07TA	09TA	12TA	15TA	18TA	—	24TA	30TA	36TA	—	48TA	54TA	—	—	—	
Ceiling mounted duct type (Middle and high static pressure)	FXMQ	—	07PB	09PB	12PB	15PB	18PB	—	24PB	30PB	36PB	—	48PB	54PB	—	—	—	
Ceiling mounted duct type	FXMQ	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72M	96M	
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	—	—	09TA	12TA	—	18TA	—	24TA	30TA	36TA	42TA	48TA	54TA	60TA	—	—	VJUA
		—	—	09TA	12TA	—	18TA	—	24TA	30TA	36TA	42TA	48TA	54TA	60TA	—	—	VJUD
Cased coil unit	CXTQ	—	—	—	—	—	—	—	24TA	—	36TA	—	48TA	—	60TA	—	—	SBLU

3.3 Air Treatment Equipment

Outdoor Air Processing Unit

Series	Model Name			Power Supply, Standard
FXMQ	48MF	72MF	96MF	VJU

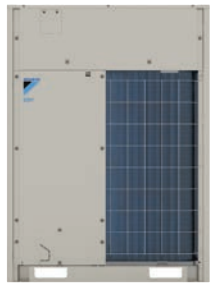
Energy Recovery Ventilator (VAM series)

Series	Model Name				Power Supply, Standard
VAM	300G	470G	600G	1200G	VJU

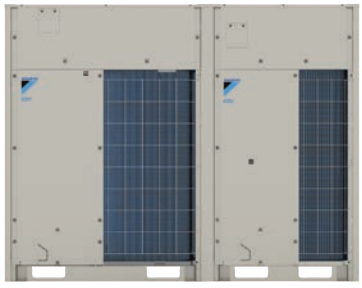
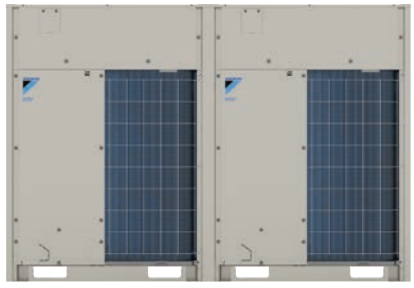
4. External Appearance

4.1 Outdoor Units

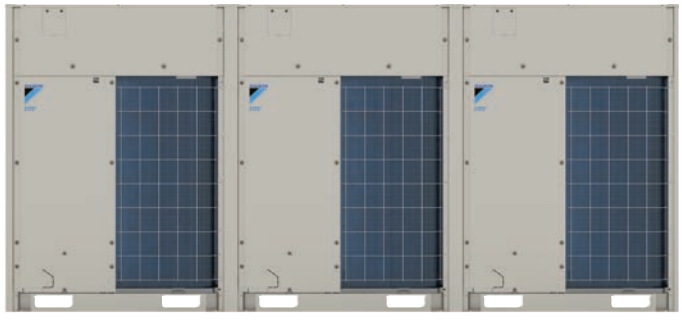
Single Outdoor Units

RXYQ72XAYDA	RXYQ72XATJA	RXYQ96XAYDA RXYQ120XAYDA RXYQ144XAYDA RXYQ168XAYDA	RXYQ96XATJA RXYQ120XATJA RXYQ144XATJA RXYQ168XATJA
			
6 ton		8, 10, 12, 14 ton	

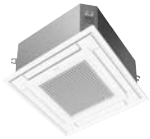
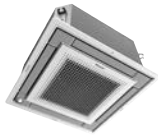
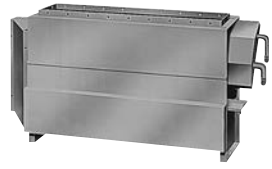
Double Outdoor Units

RXYQ192XAYDA	RXYQ192XATJA	RXYQ216XAYDA RXYQ240XAYDA RXYQ264XAYDA RXYQ288XAYDA RXYQ312XAYDA RXYQ336XAYDA	RXYQ216XATJA RXYQ240XATJA RXYQ264XATJA RXYQ288XATJA RXYQ312XATJA RXYQ336XATJA
			
16 ton		18, 20, 22, 24, 26, 28 ton	

Triple Outdoor Units

RXYQ360XAYDA RXYQ384XAYDA RXYQ408XAYDA	RXYQ360XATJA RXYQ384XATJA RXYQ408XATJA
	
30, 32, 34 ton	

4.2 Indoor Units

Ceiling mounted cassette (Round flow with sensing) type FXFQ-T  Shown with BYCQ125B-W1	Ceiling mounted duct type FXMQ-M 
VISTA™ 2 × 2 cassette unit FXZQ-TA  Shown with BYFQ60C3W1W  Shown with BYFQ60C3W1S	Ceiling suspended type FXHQ-M 
4-way blow ceiling-suspended type FXUQ-P 	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-TA 	Air handling unit FXTQ-TA 
Ceiling mounted duct type (Middle and high static pressure) FXMQ-PB 	Cased coil unit CXTQ-TA 

4.3 Air Treatment Equipment

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

5. Outdoor Unit Combination

Model name	System capacity			Number of units	Module					Outdoor Unit Multi Connection Piping Kit ★1
	Ton	HP	kW		72	96	120	144	168	
RXYQ72XAYDA RXYQ72XAYDA	6	7.5	21.1	1	●					—
RXYQ96XAYDA RXYQ96XAYDA	8	10	28.1	1		●				
RXYQ120XAYDA RXYQ120XAYDA	10	12.5	35.2	1			●			
RXYQ144XAYDA RXYQ144XAYDA	12	15	42.2	1				●		
RXYQ168XAYDA RXYQ168XAYDA	14	17.5	49.2	1					●	
RXYQ192XAYDA RXYQ192XAYDA	16	20	56.3	2	●		●			BHFP22P100U BHFP22P100UA
RXYQ216XAYDA RXYQ216XAYDA	18	22.5	63.3	2		●	●			
RXYQ240XAYDA RXYQ240XAYDA	20	25	70.3	2			●●			
RXYQ264XAYDA RXYQ264XAYDA	22	27.5	77.4	2			●	●		
RXYQ288XAYDA RXYQ288XAYDA	24	30	84.4	2				●●		
RXYQ312XAYDA RXYQ312XAYDA	26	32.5	91.4	2				●	●	
RXYQ336XAYDA RXYQ336XAYDA	28	35	98.5	2					●●	
RXYQ360XAYDA RXYQ360XAYDA	30	37.5	105.5	3			●●●			BHFP22P151U BHFP22P151UA
RXYQ384XAYDA RXYQ384XAYDA	32	40	112.5	3		●	●		●	
RXYQ408XAYDA RXYQ408XAYDA	34	42.5	119.6	3		●		●	●	

Note:

★1. For multiple connection, the outdoor unit multi connection piping kit (separately sold) is required.

6. Capacity Range

6.1 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 indoor units			Type of connected air treatment equipment	
					FXMQ-MF	
		When using only FXDQ, FXMQ-PB, FXAQ, FXSQ07-54T	When using at least one FXFQ07/09, FXZQ05T FXSQ05T	Other indoor unit models	When FXMQ-MF is only connected	When FXMQ-MF and indoor units are connected
Single outdoor units	50%	200% *1	180% *1	200% *1	100%	100% *2
Double outdoor units			160% *1	160% *1		
Triple outdoor units			130%	130%		

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 deactivated through field setting. For cooling and heating mode – see below.

*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%.

Indoor unit fan tap setting

Indoor units fan speed limitation related to connection capacity and outdoor air temperature for energy saving.

Default value = 0

Value	Indoor unit fan tap setting
0	Fan speed is limited to L tap when indoor units capacity ≥ 130%.
1	In heating mode, fan speed is limited to L tap when indoor units capacity ≥ 130%.
2	Fan speed follows the setting of the remote controllers (not limited by indoor units connection capacity).
3	Fan speed is limited to L tap when outdoor air temperature goes down to below 85.1°F (29.5°C) and indoor air temperature is in condition A (*1). It returns to remote controller setting when outdoor air temperature goes up to over 90.5 °F (32.5°C) or indoor air temperature is in condition B (*2).
4	Fan speed is limited to L tap when outdoor air temperature goes down to below 74.3°F (23.5°C) and indoor air temperature is in condition A (*1). It returns to remote controller setting when outdoor air temperature goes up to over 79.7°F (26.5°C) or indoor air temperature is in condition B (*2).
5	Fan speed is limited to L tap when outdoor air temperature goes down to below 66.7°F (19.3°C) and indoor air temperature is in condition A (*1). It returns to remote controller setting when outdoor air temperature goes up to over 72.1°F (22.3°C) or indoor air temperature is in condition B (*2).
6	Fan speed is limited to L tap when outdoor air temperature goes down to below 85.1°F (29.5°C). It returns to remote controller setting when outdoor air temperature goes up to over 90.5°F (32.5°C).
7	Fan speed is limited to L tap when outdoor air temperature goes down to below 74.3°F (23.5°C). It returns to remote controller setting when outdoor air temperature goes up to over 79.7°F (26.5°C).
8	Fan speed is limited to L tap when outdoor air temperature goes down to below 66.7°F (19.3°C). It returns to remote controller setting when outdoor air temperature goes up to over 72.1°F (22.3°C).

*1. Indoor condition A: Temperature difference (indoor air temperature – set temperature) is more than –2.7°F (–1.5°C) and less than 5.4°F (3°C).

*2. Indoor condition B: Temperature difference (indoor air temperature – set temperature) is –2.7°F (–1.5°C) or less, or 5.4°F (3°C) or more.

6.2 Indoor Unit Connection Capacity

Type	Ton	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit *1	Total capacity index of connectable indoor units *2	Maximum number of connectable indoor units
Single outdoor units	6	72	RXYQ72XA	RXYQ72XA	—	36 to 93 (144)	12
	8	96	RXYQ96XA	RXYQ96XA		48 to 124 (192)	16
	10	120	RXYQ120XA	RXYQ120XA		60 to 156 (240)	20
	12	144	RXYQ144XA	RXYQ144XA		72 to 187 (288)	25
	14	168	RXYQ168XA	RXYQ168XA		84 to 218 (336)	29
Double outdoor units	16	192	RXYQ192XA	RXYQ72XA+ RXYQ120XA	BHFP22P100U BHFP22P100UA	96 to 249 (307)	33
	18	216	RXYQ216XA	RXYQ96XA+ RXYQ120XA		108 to 280 (346)	37
	20	240	RXYQ240XA	RXYQ120XA+ RXYQ120XA		120 to 312 (384)	41
	22	264	RXYQ264XA	RXYQ120XA+ RXYQ144XA		132 to 343 (422)	45
	24	288	RXYQ288XA	RXYQ144XA+ RXYQ144XA		144 to 374 (461)	49
	26	312	RXYQ312XA	RXYQ144XA+ RXYQ168XA		156 to 405 (499)	54
	28	336	RXYQ336XA	RXYQ168XA+ RXYQ168XA		168 to 436 (538)	58
Triple outdoor units	30	360	RXYQ360XA	RXYQ120XA+ RXYQ120XA+ RXYQ120XA	BHFP22P151U BHFP22P151UA	180 to 468 (468)	62
	32	384	RXYQ384XA	RXYQ96XA+ RXYQ120XA+ RXYQ168XA		192 to 499 (499)	64
	34	408	RXYQ408XA	RXYQ96XA+ RXYQ144XA+ RXYQ168XA		204 to 530 (530)	64

Note:

*1. For multiple connection, the outdoor unit multi connection piping kit (separately sold) is required.
*2. Values inside brackets are based on connection of indoor units rated at maximum capacity, 200% for single outdoor units, 160% for double outdoor units, and 130% for triple outdoor units.

7. Specifications

Model name			RXYQ72XATJA	RXYQ96XATJA	RXYQ120XATJA
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)	120,000 (35.2)
	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		73,000 (21.4)	103,000 (30.2)	129,000 (37.8)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 36-11/16 × 30-3/16 (1694 × 932 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetrically sealed scroll type	Hermetrically sealed scroll type	Hermetrically sealed scroll type
	Displacement	m^3/h	14.7	19.3	26.6
	Number of revolutions	r/min	6,954	6,072	8,346
	Motor output × Number of units	kW	4.2 × 1	6.3 × 1	8.7 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.75 × 1	0.35 × 2	0.35 × 2
	Airflow rate	cfm (m^3/min)	5,544 (157)	5,827 (165)	6,286 (178)
	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)	435 (198)	525 (238)	528 (239)
Sound pressure level (Reference data)		dB(A)	58	61	61
Sound power level (Reference data)		dB	78	81	81
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	20 - 100	16 - 100	15 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	13.0 (5.9)	22.7 (10.3)	22.9 (10.4)
	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.

3D122720

Model name (Combination Unit)			RXYQ144XATJA	RXYQ168XATJA	RXYQ192XATJA
Model name (Independent Unit)			—	—	RXYQ72XATJA RXYQ120XATJA
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)	164,000 (48.1)	192,000 (56.3)
	Rated		138,000 (40.4)	158,000 (46.3)	184,000 (53.9)
★2 Heating capacity	Nominal	Btu/h (kW)	162,000 (47.5)	188,000 (55.1)	216,000 (63.3)
	Rated		154,000 (45.1)	174,000 (51.0)	206,000 (60.4)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)	66-11/16 × 36-11/16 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 932 × 767 + 1694 × 1242 × 767)
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
	Displacement	m^3/h	15.2 + 15.2	17.6 + 17.6	17.7 + 21.9
	Number of revolutions	r/min	7,158 + 7,158	8,304 + 8,304	8,334 + 6,864
	Motor output × Number of units	kW	(4.4 × 1) + (4.4 × 1)	(5.1 × 1) + (5.1 × 1)	5.1 × 1 + 7.2 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	0.75 × 2	0.75 × 2	0.75 × 1 + 0.35 × 2
	Airflow rate	cfm (m^3/min)	8,228 (233)	8,228 (233)	5,544 + 6,286 (157 + 178)
	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)	695 (315)	695 (315)	435 + 528 (198 + 239)
Sound pressure level (Reference data)		dB(A)	64	65	63
Sound power level (Reference data)		dB	86	86	83
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	11 - 100	10 - 100	17 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	18.1 (8.2)	17.2 (7.8)	13.0 + 22.9 (5.9 + 10.4)
	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.

3D122720, 3D122721A

Model name (Combination Unit)			RXYQ216XATJA	RXYQ240XATJA	RXYQ264XATJA
Model name (Independent Unit)			RXYQ96XATJA RXYQ120XATJA	RXYQ120XATJA RXYQ120XATJA	RXYQ120XATJA RXYQ144XATJA
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)	216,000 (63.3)	240,000 (70.3)	264,000 (77.4)
	Rated		206,000 (60.4)	228,000 (66.8)	252,000 (73.9)
★2 Heating capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)	297,000 (87.0)
	Rated		230,000 (67.4)	256,000 (75.0)	282,000 (82.6)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetrically sealed scroll type	Hermetrically sealed scroll type	Hermetrically sealed scroll type
	Displacement	m^3/h	21.1 + 21.1	24.1 + 24.1	22.6 + (14.9 + 14.9)
	Number of revolutions	r/min	6,630 + 6,630	7,572 + 7,572	7,098 + (,7026 + 7,026)
	Motor output × Number of units	kW	6.9 × 1 + 6.9 × 1	7.9 × 1 + 7.9 × 1	7.4 × 1 + (4.3 × 1 + 4.3 × 1)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	0.35 × 2 + 0.35 × 2	0.35 × 2 + 0.35 × 2	0.35 × 2 + 0.75 × 2
	Airflow rate	cfm (m^3/min)	5,827 + ,6286 (165 + 178)	6,286 + 6,286 (178 + 178)	6,286 + 8,228 (178 + 233)
	Drive		Direct 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)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	525 + 528 (238 + 239)	528 + 528 (239 + 239)	528 + 695 (239 + 315)
Sound pressure level (Reference data)		dB(A)	64	64	66
Sound power level (Reference data)		dB	84	84	87
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	15 - 100	15 - 100	13 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	22.7 + 22.9 (10.3 + 10.4)	22.9 + 22.9 (10.4 + 10.4)	22.9 + 18.1 (10.4 + 8.2)
	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.

3D122721A

Model name (Combination Unit)			RXYQ288XATJA	RXYQ312XATJA	RXYQ336XATJA
Model name (Independent Unit)			RXYQ144XATJA RXYQ144XATJA	RXYQ144XATJA RXYQ168XATJA	RXYQ168XATJA RXYQ168XATJA
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)	288,000 (84.4)	312,000 (91.4)	326,000 (95.5)
	Rated		274,000 (80.3)	296,000 (86.7)	312,000 (91.4)
★2 Heating capacity	Nominal	Btu/h (kW)	324,000 (95.0)	351,000 (102.9)	378,000 (110.8)
	Rated		308,000 (90.3)	334,000 (97.9)	342,000 (100.2)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetrically sealed scroll type	Hermetrically sealed scroll type	Hermetrically sealed scroll type
	Displacement	m^3/h	(14.1 + 14.1) + (14.1 + 14.1)	(15.5 + 15.5) + (15.5 + 15.5)	(16.0 + 16.0) + (16.0 + 16.0)
	Number of revolutions	r/min	(6648 + 6648) + (6648 + 6648)	(7326 + 7326) + (7326 + 7326)	(7542 + 7542) + (7542 + 7542)
	Motor output × Number of units	kW	(4.1 × 1+ 4.1 × 1) + (4.1 × 1 + 4.1 × 1)	(4.5 × 1 + 4.5 × 1) + (4.5 × 1 + 4.5 × 1)	(4.6 × 1 + 4.6 × 1) + (4.6 × 1 + 4.6 × 1)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	(0.75 × 2) × 2	(0.75 × 2) × 2	(0.75 × 2) × 2
	Airflow rate	cfm (m^3/min)	8,228 + 8,228 (233 + 233)	8,228 + 8,228 (233 + 233)	8,228 + 8,228 (233 + 233)
	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)	695 + 695 (315 + 315)	695 + 695 (315 + 315)	695 + 695 (315 + 315)
Sound pressure level (Reference data)		dB(A)	67	67.5	68
Sound power level (Reference data)		dB	89	89	89
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	11 - 100	10 - 100	10 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	18.1 + 18.1 (8.2 + 8.2)	18.1 + 17.2 (8.2 + 7.8)	17.2 + 17.2 (7.8 + 7.8)
	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.

3D122721A

Model name (Combination Unit)			RXYQ360XATJA	RXYQ384XATJA	RXYQ408XATJA
Model name (Independent Unit)			RXYQ120XATJA RXYQ120XATJA RXYQ120XATJA	RXYQ96XATJA RXYQ120XATJA RXYQ168XATJA	RXYQ96XATJA RXYQ144XATJA RXYQ168XATJA
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)	360,000 (105.5)	368,000 (107.9)	390,000 (114.3)
	Rated		342,000 (100.2)	356,000 (104.3)	372,000 (109.0)
★2 Heating capacity	Nominal	Btu/h (kW)	405,000 (118.7)	432,000 (126.6)	459,000 (134.5)
	Rated		372,000 (109.0)	396,000 (116.1)	424,000 (124.3)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767 + 1694 × 1242 × 767)
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
	Displacement	m^3/h	23.4 + 23.4 + 23.4	22.7 + 22.7 + (14.6 + 14.6)	22.4 + (14.2 + 14.2) + (14.2 + 14.2)
	Number of revolutions	r/min	7,338 + 7,338 + 7,338	7,134 + 7,134 + (6,900 + 6,900)	7,038 + (6,684 + 6,684) + (6,684 + 6,684)
	Motor output × Number of units	kW	7.6 × 1 + 7.6 × 1 + 7.6 × 1	7.4 × 1 + 7.4 × 1 + (4.2 × 1 + 4.2 × 1)	7.3 × 1 + (4.1 × 1 + 4.1 × 1) + (4.1 × 1 + 4.1 × 1)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	(0.35 × 2) × 3	0.35 × 2 + 0.35 × 2 + 0.75 × 2	0.35 × 2 + 0.75 × 2 + 0.75 × 2
	Airflow rate	cfm (m^3/min)	6,286 + 6,286 + 6,286 (178 + 178 + 178)	5,827 + 6,286 + 8,228 (165 + 178 + 233)	5,827 + 8,228 + 8,228 (165 + 233 + 233)
	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)	528 + 528 + 528 (239 + 239 + 239)	525 + 528 + 695 (238 + 239 + 315)	525 + 695 + 695 (238 + 315 + 315)
Sound pressure level (Reference data)		dB(A)	66	67.5	68.5
Sound power level (Reference data)		dB	86	88	89.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	15 - 100	13 - 100	12 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	22.9 + 22.9 + 22.9 (10.4 + 10.4 + 10.4)	22.7 + 22.9 + 17.2 (10.3 + 10.4 + 7.8)	22.7 + 18.1 + 17.2 (10.3 + 8.2 + 7.8)
	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.

3D122722A

Model name			RXYQ72XAYDA	RXYQ96XAYDA	RXYQ120XAYDA
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)	120,000 (35.2)
	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		73,000 (21.4)	103,000 (30.2)	129,000 (37.8)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 36-11/16 × 30-3/16 (1694 × 932 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetrically sealed scroll type	Hermetrically sealed scroll type	Hermetrically sealed scroll type
	Displacement	m^3/h	14.7	19.3	26.6
	Number of revolutions	r/min	6,954	6,072	8,346
	Motor output × Number of units	kW	4.2 × 1	6.3 × 1	8.7 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	0.5 × 1	0.6 × 2	0.6 × 2
	Airflow rate	cfm (m^3/min)	5,544 (157)	5,827 (165)	6,286 (178)
	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)	451 (205)	553 (251)	556 (252)
Sound pressure level (Reference data)		dB(A)	58	61	61
Sound power level (Reference data)		dB	78	81	81
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	20 - 100	16 - 100	15 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	13.0 (5.9)	22.7 (10.3)	22.9 (10.4)
	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.

3D122723

Model name (Combination Unit)			RXYQ144XAYDA	RXYQ168XAYDA	RXYQ192XAYDA
Model name (Independent Unit)			—	—	RXYQ72XAYDA RXYQ120XAYDA
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)	164,000 (48.1)	192,000 (56.3)
	Rated		138,000 (40.4)	158,000 (46.3)	184,000 (53.9)
★2 Heating capacity	Nominal	Btu/h (kW)	162,000 (47.5)	188,000 (55.1)	216,000 (63.3)
	Rated		154,000 (45.1)	174,000 (51.0)	206,000 (60.4)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767)	66-11/16 × 36-11/16 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 932 × 767 + 1694 × 1242 × 767)
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
	Displacement	m^3/h	15.2 + 15.2	17.6 + 17.6	17.7 + 21.9
	Number of revolutions	r/min	7,158 + 7,158	8,304 + 8,304	8,334 + 6,864
	Motor output × Number of units	kW	(4.4 × 1) + (4.4 × 1)	(5.1 × 1) + (5.1 × 1)	5.1 × 1 + 7.2 × 1
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	0.6 × 2	0.6 × 2	0.5 × 1 + 0.6 × 2
	Airflow rate	cfm (m^3/min)	8,228 (233)	8,228 (233)	5,544 + 6,286 (157 + 178)
	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)	709 (322)	709 (322)	451 + 556 (205 + 252)
Sound pressure level (Reference data)		dB(A)	64	65	63
Sound power level (Reference data)		dB	86	86	83
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	11 - 100	10 - 100	17 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	18.1 (8.2)	17.2 (7.8)	13.0 + 22.9 (5.9 + 10.4)
	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.

3D122723, 3D122724A

Model name (Combination Unit)			RXYQ216XAYDA	RXYQ240XAYDA	RXYQ264XAYDA
Model name (Independent Unit)			RXYQ96XAYDA RXYQ120XAYDA	RXYQ120XAYDA RXYQ120XAYDA	RXYQ120XAYDA RXYQ144XAYDA
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)	216,000 (63.3)	240,000 (70.3)	264,000 (77.4)
	Rated		206,000 (60.4)	228,000 (66.8)	252,000 (73.9)
★2 Heating capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)	297,000 (87.0)
	Rated		230,000 (67.4)	256,000 (75.0)	282,000 (82.6)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetrically sealed scroll type	Hermetrically sealed scroll type	Hermetrically sealed scroll type
	Displacement	m^3/h	21.1 + 21.1	24.1 + 24.1	22.6 + (14.9 + 14.9)
	Number of revolutions	r/min	6,630 + 6,630	7,572 + 7,572	7,098 + (7,026 + 7,026)
	Motor output × Number of units	kW	6.9 × 1 + 6.9 × 1	7.9 × 1 + 7.9 × 1	7.4 × 1 + (4.3 × 1 + 4.3 × 1)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	(0.6 × 2) × 2	(0.6 × 2) × 2	(0.6 × 2) × 2
	Airflow rate	cfm (m^3/min)	5,827 + 6,286 (165 + 178)	6,286 + 6,286 (178 + 178)	6,286 + 8,228 (178 + 233)
	Drive		Direct 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)	ϕ3/4 (19.1) C1220T (Brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)	ϕ1-3/8 (34.9) C1220T (Brazing connection)
Weight		lbs (kg)	553 + 556 (251 + 252)	556 + 556 (252 + 252)	556 + 709 (252 + 322)
Sound pressure level (Reference data)		dB(A)	64	64	66
Sound power level (Reference data)		dB	84	84	87
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	15 - 100	15 - 100	13 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	22.7 + 22.9 (10.3 + 10.4)	22.9 + 22.9 (10.4 + 10.4)	22.9 + 18.1 (10.4 + 8.2)
	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.

3D122724A

Model name (Combination Unit)			RXYQ288XAYDA	RXYQ312XAYDA	RXYQ336XAYDA
Model name (Independent Unit)			RXYQ144XAYDA RXYQ144XAYDA	RXYQ144XAYDA RXYQ168XAYDA	RXYQ168XAYDA RXYQ168XAYDA
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)	288,000 (84.4)	312,000 (91.4)	326,000 (95.5)
	Rated		274,000 (80.3)	296,000 (86.7)	312,000 (91.4)
★2 Heating capacity	Nominal	Btu/h (kW)	324,000 (95.0)	351,000 (102.9)	378,000 (110.8)
	Rated		308,000 (90.3)	334,000 (97.9)	342,000 (100.2)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetrically sealed scroll type	Hermetrically sealed scroll type	Hermetrically sealed scroll type
	Displacement	m^3/h	(14.1 + 14.1) + (14.1 + 14.1)	(15.5 + 15.5) + (15.5 + 15.5)	(16.0 + 16.0) + (16.0 + 16.0)
	Number of revolutions	r/min	(6,648 + 6,648) + (6,648 + 6,648)	(7,326 + 7,326) + (7,326 + 7,326)	(7,542 + 7,542) + (7,542 + 7,542)
	Motor output × Number of units	kW	(4.1 × 1+ 4.1 × 1) + (4.1 × 1 + 4.1 × 1)	(4.5 × 1 + 4.5 × 1) + (4.5 × 1 + 4.5 × 1)	(4.6 × 1 + 4.6 × 1) + (4.6 × 1 + 4.6 × 1)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	(0.6 × 2) × 2	(0.6 × 2) × 2	(0.6 × 2) × 2
	Airflow rate	cfm (m^3/min)	8,228 + 8,228 (233 + 233)	8,228 + 8,228 (233 + 233)	8,228 + 8,228 (233 + 233)
	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)	709 + 709 (322 + 322)	709 + 709 (322 + 322)	709 + 709 (322 + 322)
Sound pressure level (Reference data)		dB(A)	67	67.5	68
Sound power level (Reference data)		dB	89	89	89
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	11 - 100	10 - 100	10 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	18.1 + 18.1 (8.2 + 8.2)	18.1 + 17.2 (8.2 + 7.8)	17.2 + 17.2 (7.8 + 7.8)
	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.

3D122724A

Model name (Combination Unit)			RXYQ360XAYDA	RXYQ384XAYDA	RXYQ408XAYDA
Model name (Independent Unit)			RXYQ120XAYDA RXYQ120XAYDA RXYQ120XAYDA	RXYQ96XAYDA RXYQ120XAYDA RXYQ168XAYDA	RXYQ96XAYDA RXYQ144XAYDA RXYQ168XAYDA
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)	360,000 (105.5)	368,000 (107.9)	390,000 (114.3)
	Rated		342,000 (100.2)	356,000 (104.3)	372,000 (109.0)
★2 Heating capacity	Nominal	Btu/h (kW)	405,000 (118.7)	432,000 (126.6)	459,000 (134.5)
	Rated		372,000 (109.0)	396,000 (116.1)	424,000 (124.3)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767 + 1694 × 1242 × 767)	66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 + 66-11/16 × 48-7/8 × 30-3/16 (1694 × 1242 × 767 + 1694 × 1242 × 767 + 1694 × 1242 × 767)
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
	Displacement	m^3/h	23.4 + 23.4 + 23.4	22.7 + 22.7 + (14.6 + 14.6)	22.4 + (14.2 + 14.2) + (14.2 + 14.2)
	Number of revolutions	r/min	7338 + 7338 + 7338	7,134 + 7,134 + (6,900 + 6,900)	7,038 + (6,684 + 6,684) + (6,684 + 6,684)
	Motor output × Number of units	kW	7.6 × 1 + 7.6 × 1 + 7.6 × 1	7.4 × 1 + 7.4 × 1 + (4.2 × 1 + 4.2 × 1)	7.3 × 1 + (4.1 × 1 + 4.1 × 1) + (4.1 × 1 + 4.1 × 1)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan
	Motor output	kW	(0.6 × 2) × 3	(0.6 × 2) × 3	(0.6 × 2) × 3
	Airflow rate	cfm (m^3/min)	6,286 + 6,286 + 6,286 (178 + 178 + 178)	5,827 + 6,286 + 8,228 (165 + 178 + 233)	5,827 + 8,228 + 8,228 (165 + 233 + 233)
	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)	556 + 556 + 556 (252 + 252 + 252)	553 + 556 + 709 (251 + 252 + 322)	553 + 709 + 709 (251 + 322 + 322)
Sound pressure level (Reference data)		dB(A)	66	67.5	68.5
Sound power level (Reference data)		dB	86	88	89.5
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector	High pressure switch, Fan driver overload protector, Overcurrent relay, Inverter overload protector
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	15 - 100	13 - 100	12 - 100
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Charge	lbs (kg)	22.9 + 22.9 + 22.9 (10.4 + 10.4 + 10.4)	22.7 + 22.9 + 17.2 (10.3 + 10.4 + 7.8)	22.7 + 18.1 + 17.2 (10.3 + 8.2 + 7.8)
	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:

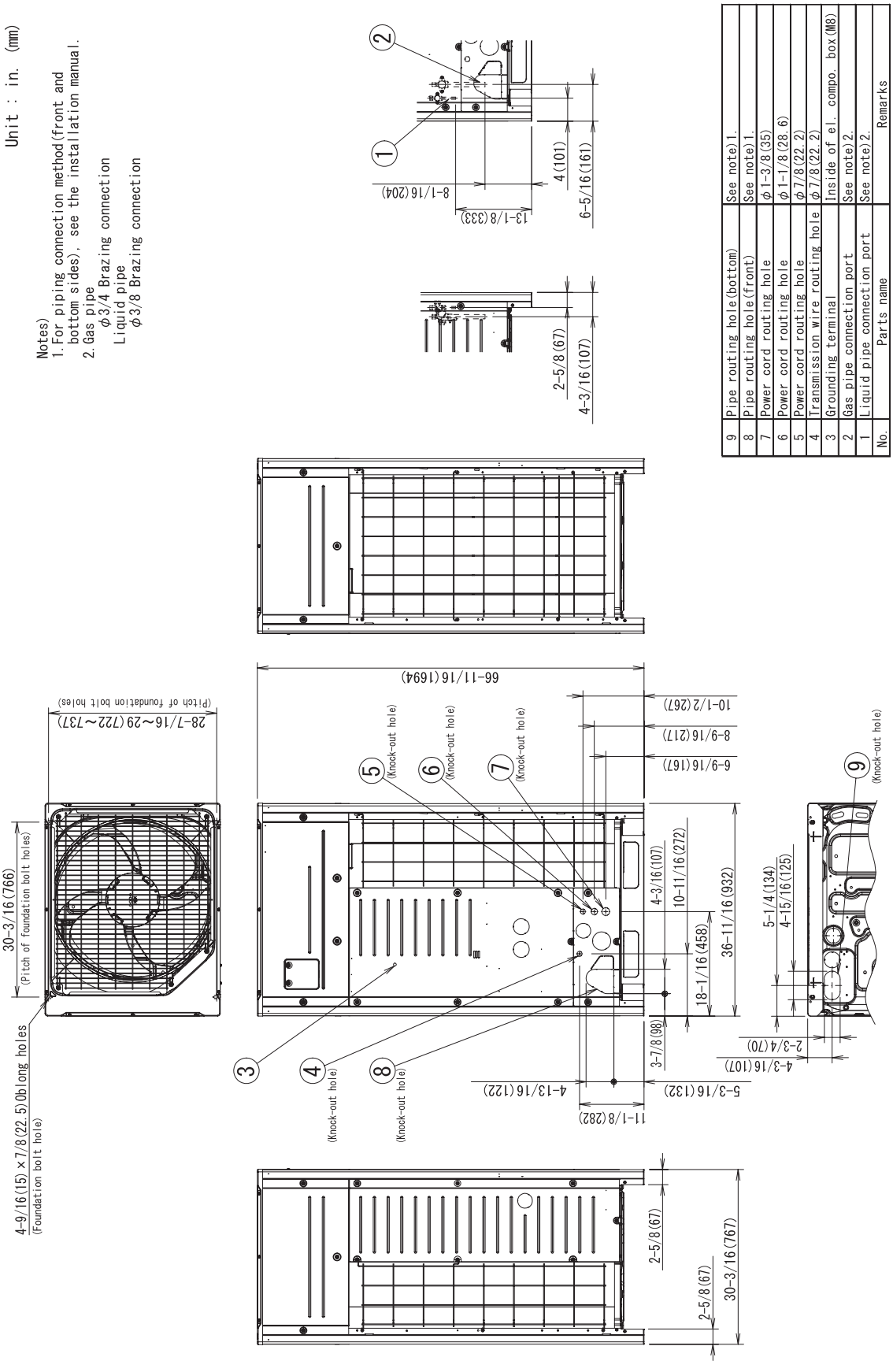
★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Rated capacity is certified under AHRI standard 1230.

★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.

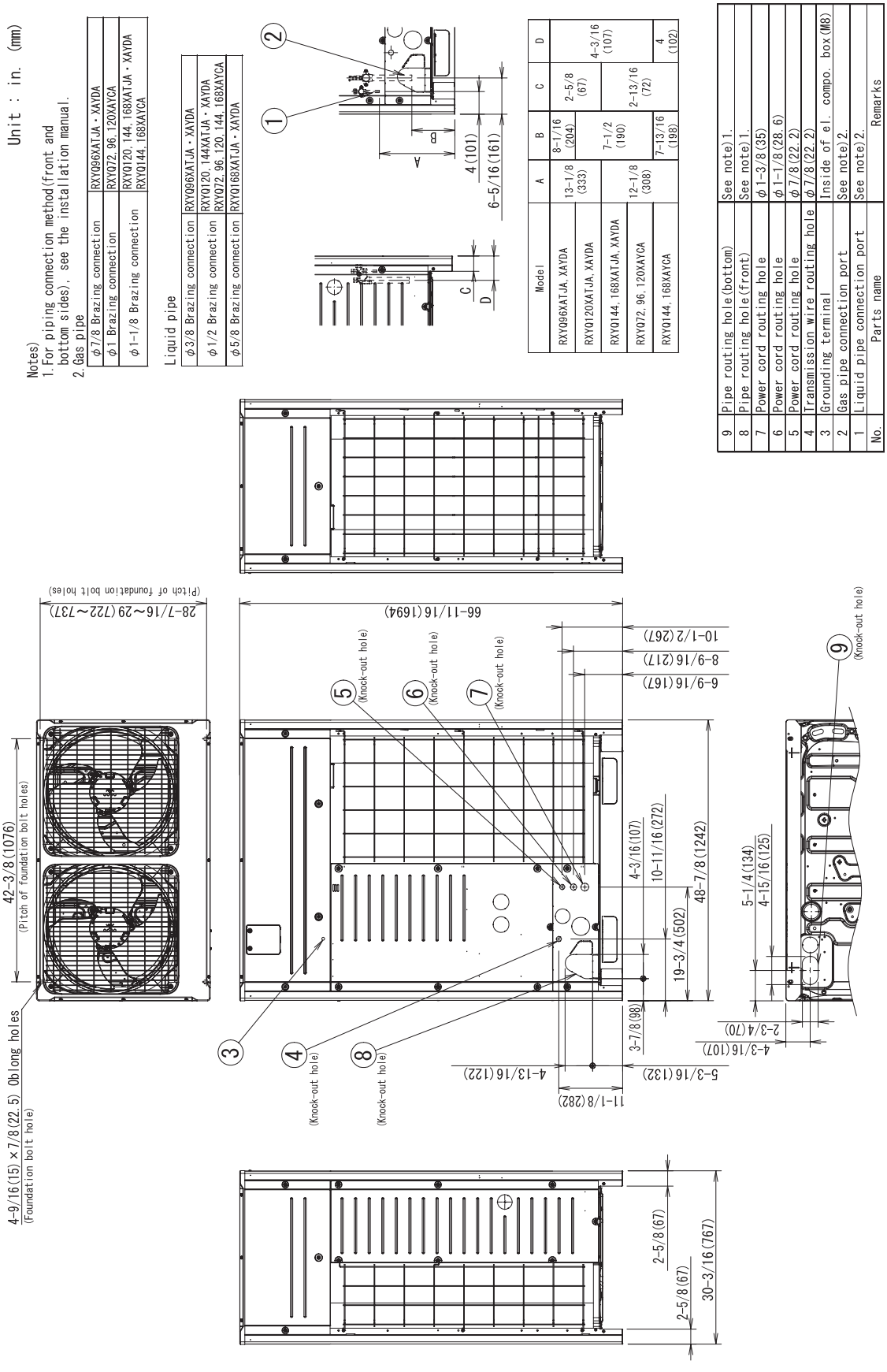
3D122725A

8. Dimensions

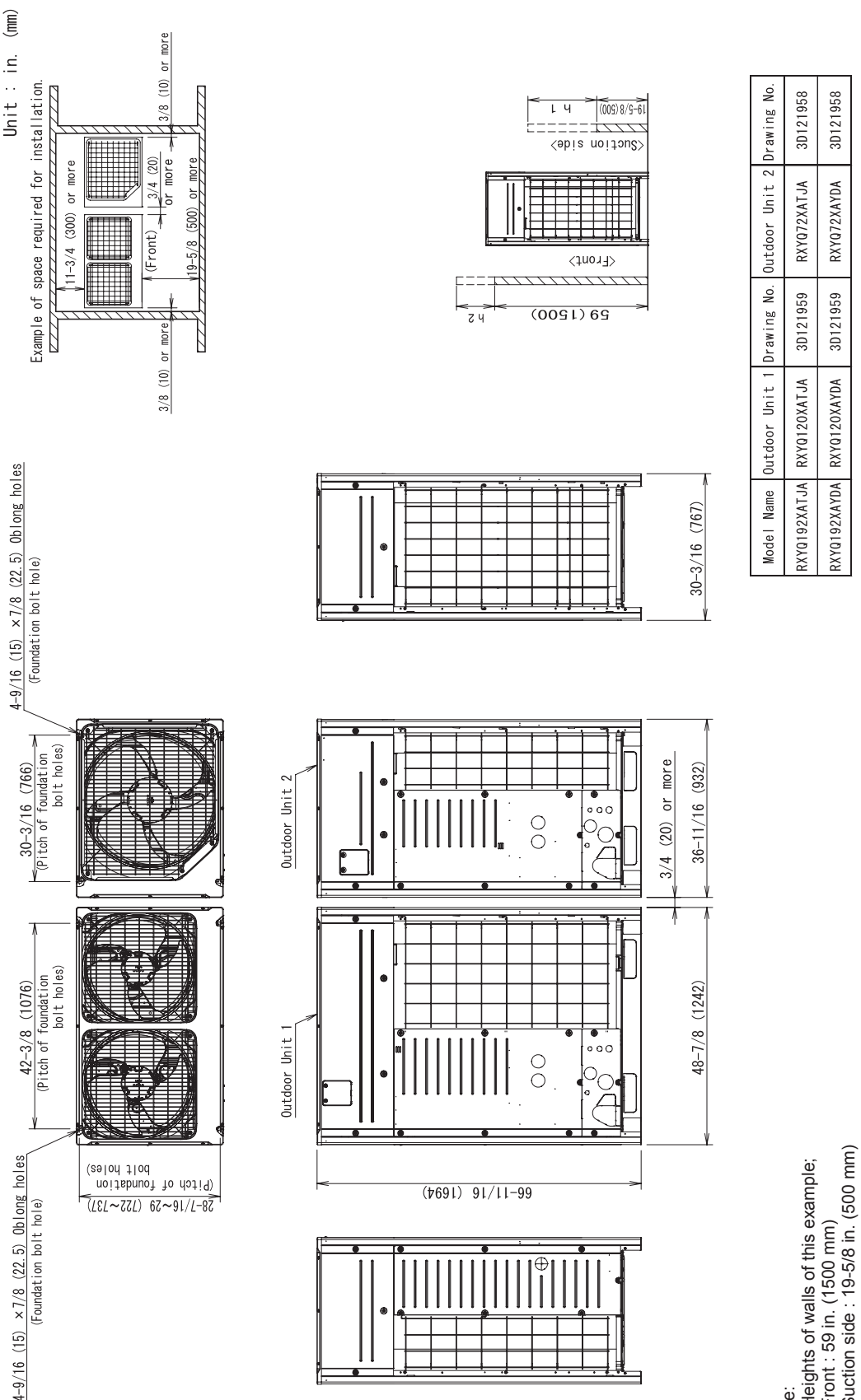
RXYQ72XATJA / XAYDA



RXYQ96-168XATJA / XAYDA



RXYQ192XATJA / XAYDA

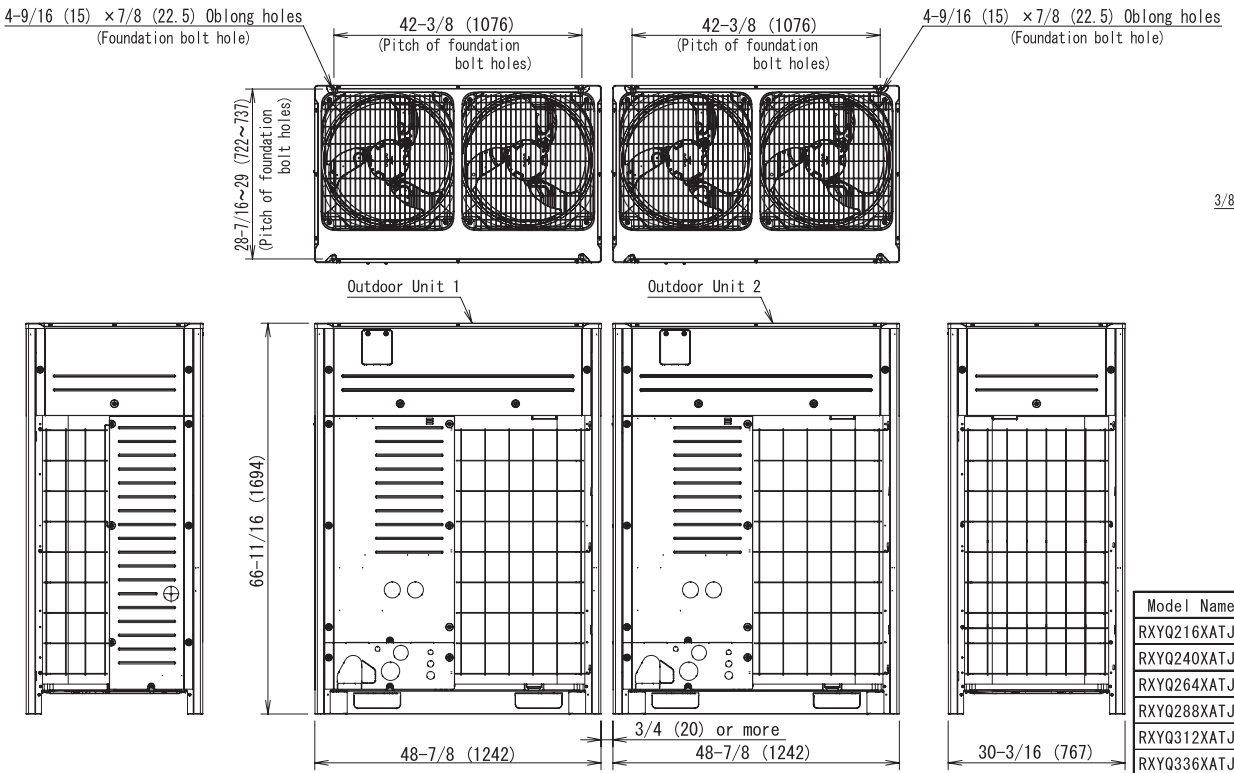


Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ192XATJA	RXYQ120XATJA	3D121959	RXYQ72XATJA	3D121958
RXYQ192XAYDA	RXYQ120XAYDA	3D121959	RXYQ72XAYDA	3D121958

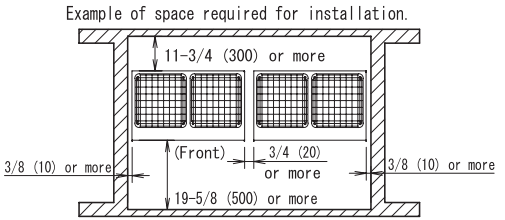
Note:
1. Heights of walls of this example;
   Front : 59 in. (1500 mm)
   Suction side : 19-5/8 in. (500 mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB (35°CDB).
   The installation 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.

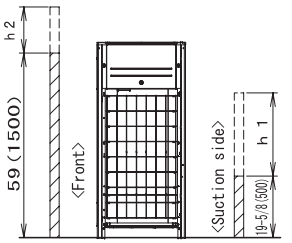
C: 3D121960A

RXYQ216-336XATJA / XAYDA



Unit : in. (mm)





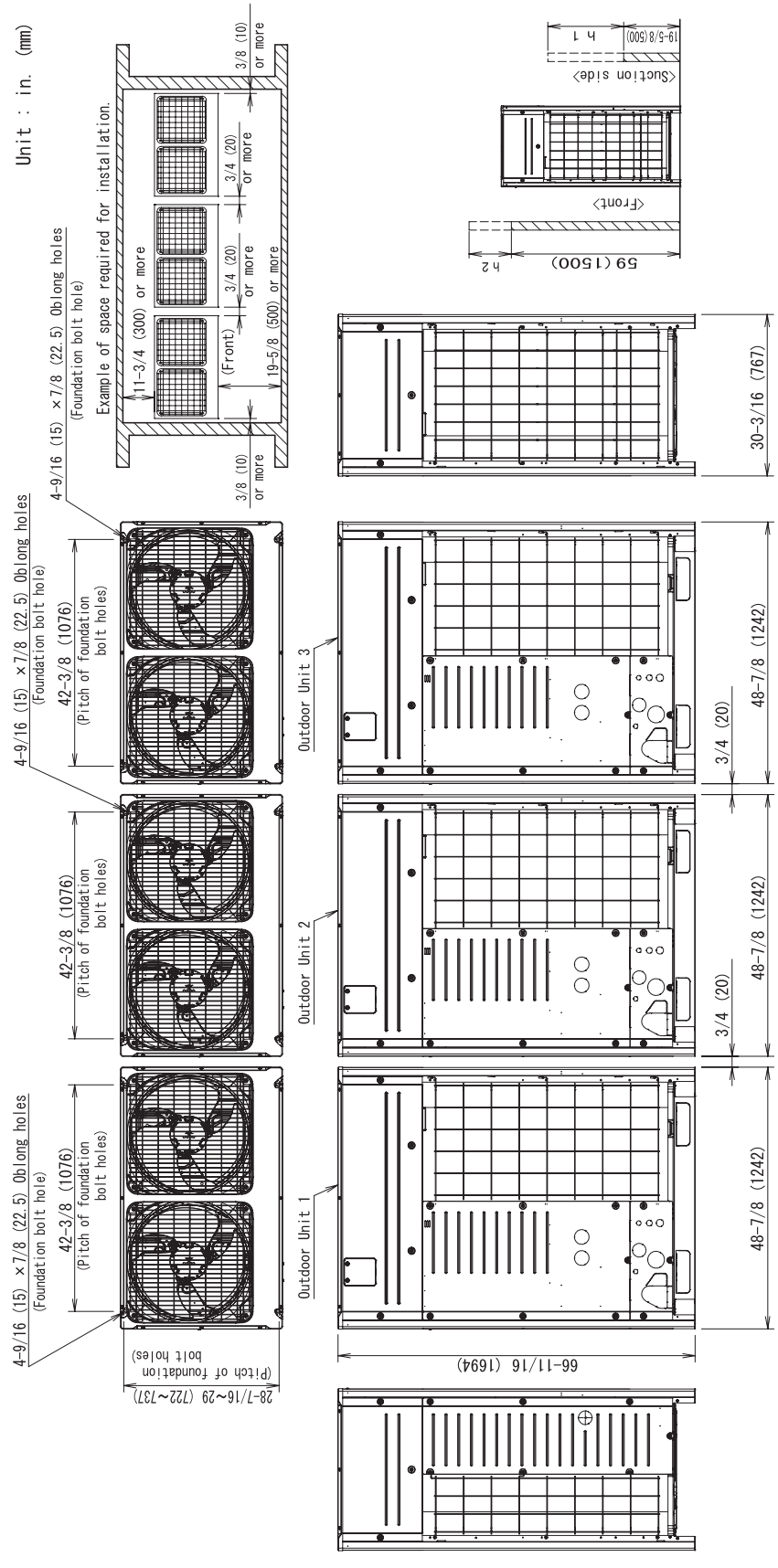
Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
RXYQ216XATJA	RXYQ120XATJA	3D121959	RXYQ96XATJA	3D121959
RXYQ240XATJA	RXYQ120XATJA	3D121959	RXYQ120XATJA	3D121959
RXYQ264XATJA	RXYQ144XATJA	3D121959	RXYQ120XATJA	3D121959
RXYQ288XATJA	RXYQ144XATJA	3D121959	RXYQ144XATJA	3D121959
RXYQ312XATJA	RXYQ168XATJA	3D121959	RXYQ144XATJA	3D121959
RXYQ336XATJA	RXYQ168XATJA	3D121959	RXYQ168XATJA	3D121959
RXYQ216XAYDA	RXYQ120XAYDA	3D121959	RXYQ96XAYDA	3D121959
RXYQ240XAYDA	RXYQ120XAYDA	3D121959	RXYQ120XAYDA	3D121959
RXYQ264XAYDA	RXYQ144XAYDA	3D121959	RXYQ120XAYDA	3D121959
RXYQ288XAYDA	RXYQ144XAYDA	3D121959	RXYQ144XAYDA	3D121959
RXYQ312XAYDA	RXYQ168XAYDA	3D121959	RXYQ144XAYDA	3D121959
RXYQ336XAYDA	RXYQ168XAYDA	3D121959	RXYQ168XAYDA	3D121959
RXYQ192XAYCA	RXYQ96XAYCA	3D121959	RXYQ96XAYCA	3D121959
RXYQ216XAYCA	RXYQ120XAYCA	3D121959	RXYQ96XAYCA	3D121959
RXYQ240XAYCA	RXYQ120XAYCA	3D121959	RXYQ120XAYCA	3D121959
RXYQ264XAYCA	RXYQ144XAYCA	3D121959	RXYQ120XAYCA	3D121959
RXYQ288XAYCA	RXYQ144XAYCA	3D121959	RXYQ144XAYCA	3D121959
RXYQ312XAYCA	RXYQ168XAYCA	3D121959	RXYQ144XAYCA	3D121959
RXYQ336XAYCA	RXYQ168XAYCA	3D121959	RXYQ168XAYCA	3D121959

Note:

1. Heights of walls of this example;
   Front : 59 in. (1500 mm)
   Suction side : 19-5/8 in. (500 mm)
   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.

C: 3D121961A

RXYQ360-408XATJA / XAYDA



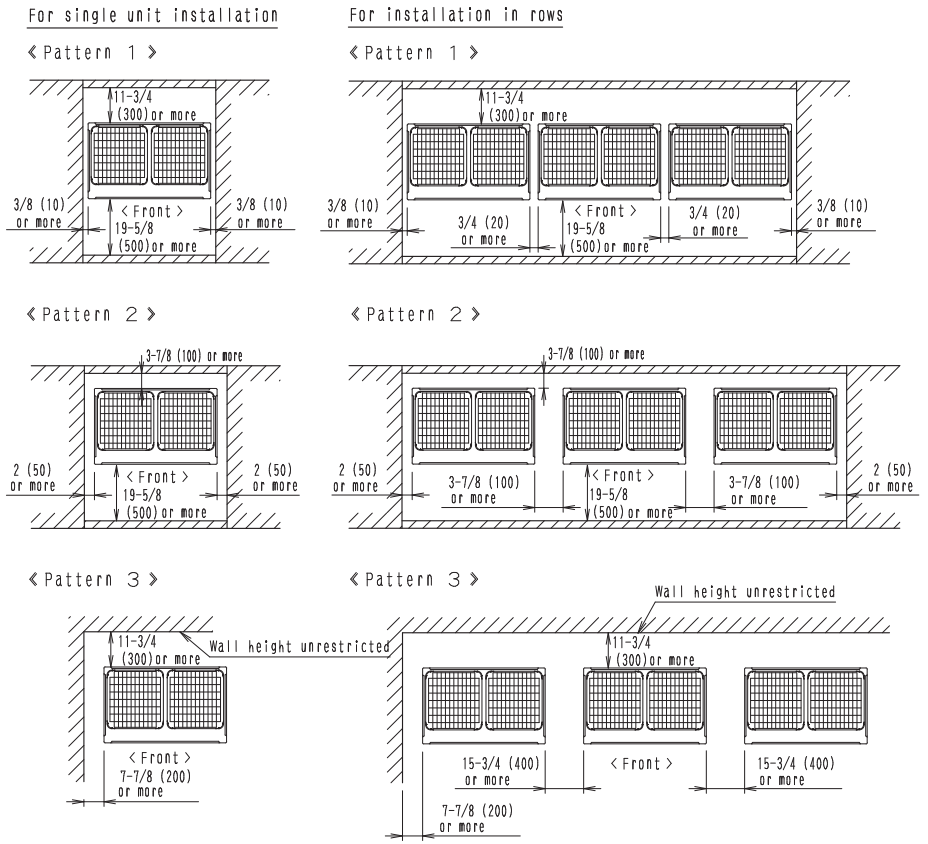
Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.	Outdoor Unit 3	Drawing No.
RXYQ360XATJA	RXYQ120XATJA	3D121959	RXYQ120XATJA	3D121959	RXYQ120XATJA	3D121959
RXYQ384XATJA	RXYQ168XATJA	3D121959	RXYQ120XATJA	3D121959	RXYQ96XATJA	3D121959
RXYQ408XATJA	RXYQ168XATJA	3D121959	RXYQ144XATJA	3D121959	RXYQ96XATJA	3D121959
RXYQ360XAYDA	RXYQ120XAYDA	3D121959	RXYQ120XAYDA	3D121959	RXYQ120XAYDA	3D121959
RXYQ384XAYDA	RXYQ168XAYDA	3D121959	RXYQ120XAYDA	3D121959	RXYQ96XAYDA	3D121959
RXYQ408XAYDA	RXYQ168XAYDA	3D121959	RXYQ144XAYDA	3D121959	RXYQ96XAYDA	3D121959
RXYQ360XAYCA	RXYQ120XAYCA	3D121959	RXYQ120XAYCA	3D121959	RXYQ120XAYCA	3D121959
RXYQ384XAYCA	RXYQ144XAYCA	3D121959	RXYQ120XAYCA	3D121959	RXYQ120XAYCA	3D121959

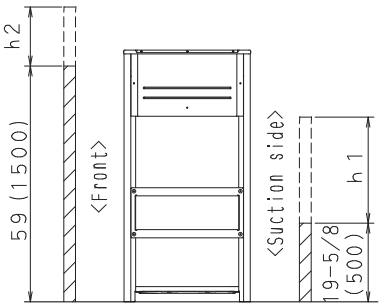
Note:
1. Heights of walls of this example;
   Front : 59 in. (1500 mm)
   Suction side : 19-5/8 in. (500 mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB (35°CDB).
   The installation 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.

C: 3D121962A

9. Service Space

Unit : in. (mm)





Note:

1. Heights of walls in case of Patterns 1 and 2;
   Front : 59 in. (1500 mm)
   Suction side : 19-5/8 in. (500 mm)
   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.

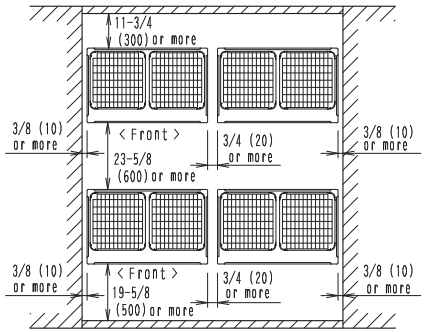
C: 3D085503H

EDUS341923-D

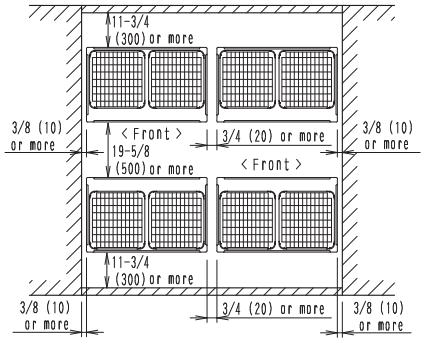
Unit : in. (mm)

For centralized group layout

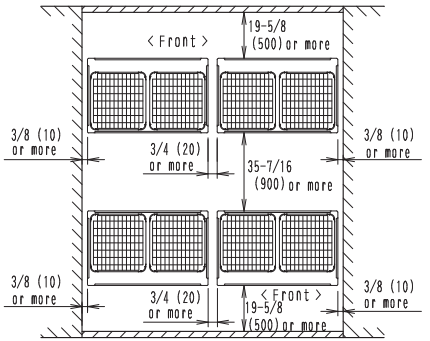
《Pattern 1》

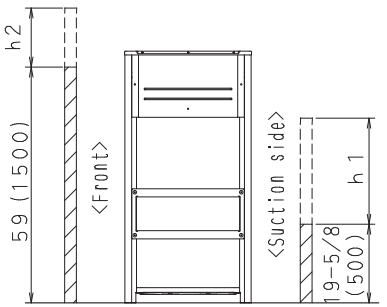


《Pattern 1》

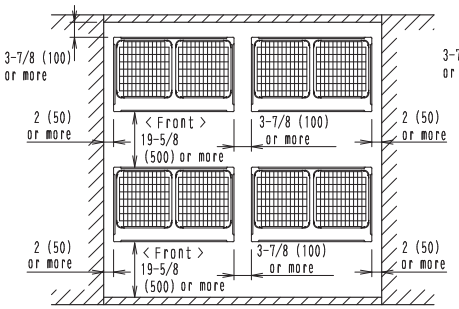


《Pattern 1》

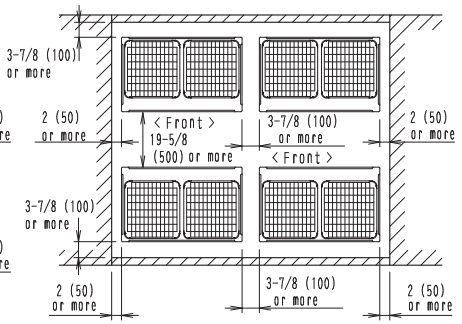




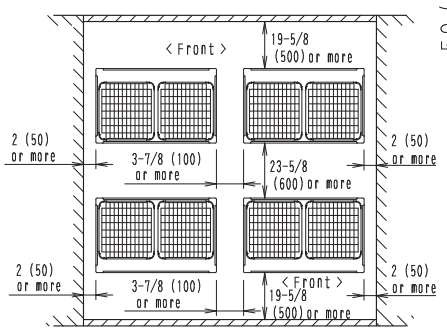
《Pattern 2》



《Pattern 2》



《Pattern 2》



Note:

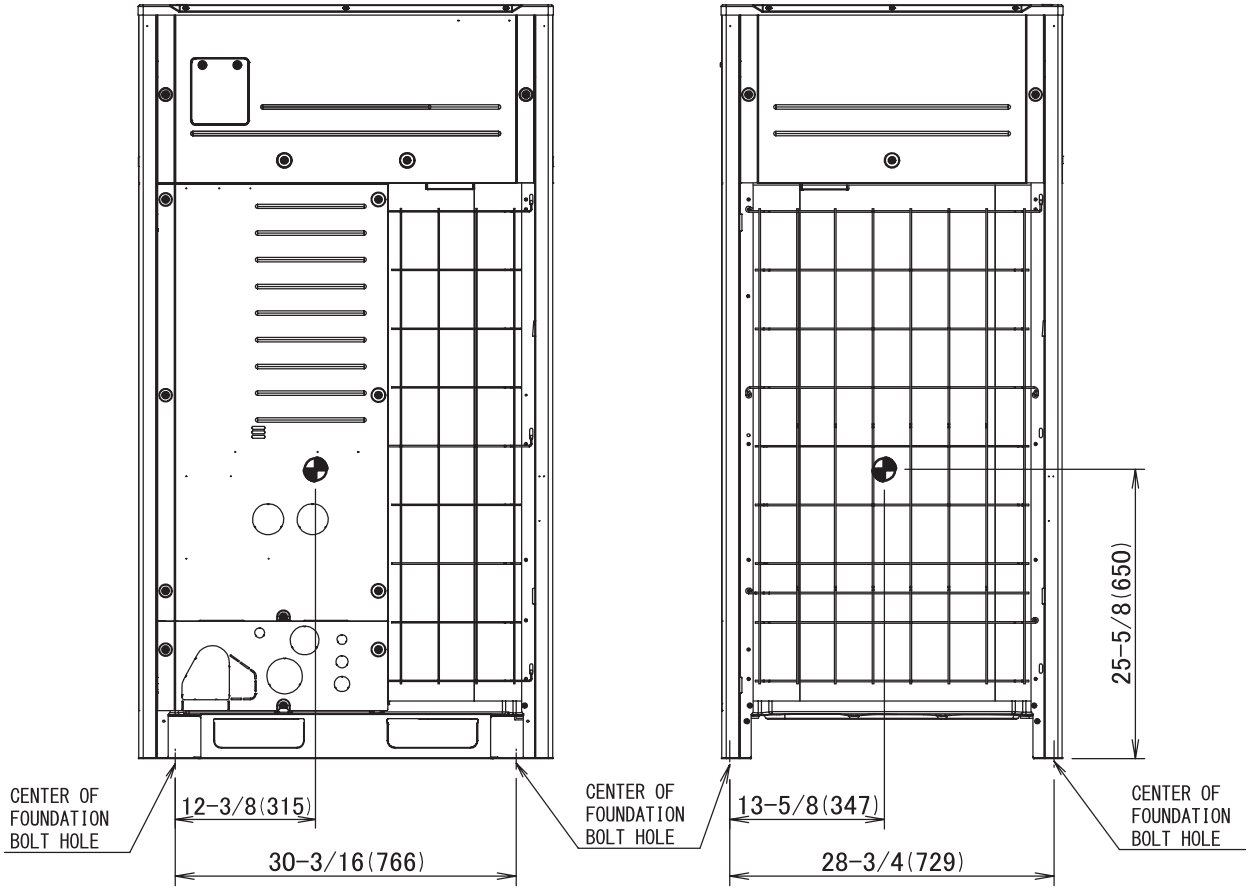
1. Heights of walls in case of Patterns 1 and 2;
   Front : 59 in. (1500 mm)
   Suction side : 19-5/8 in. (500 mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB (35°CDB).
   The installation 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.

C: 3D085503H

10.Center of Gravity

RXYQ72XATJA

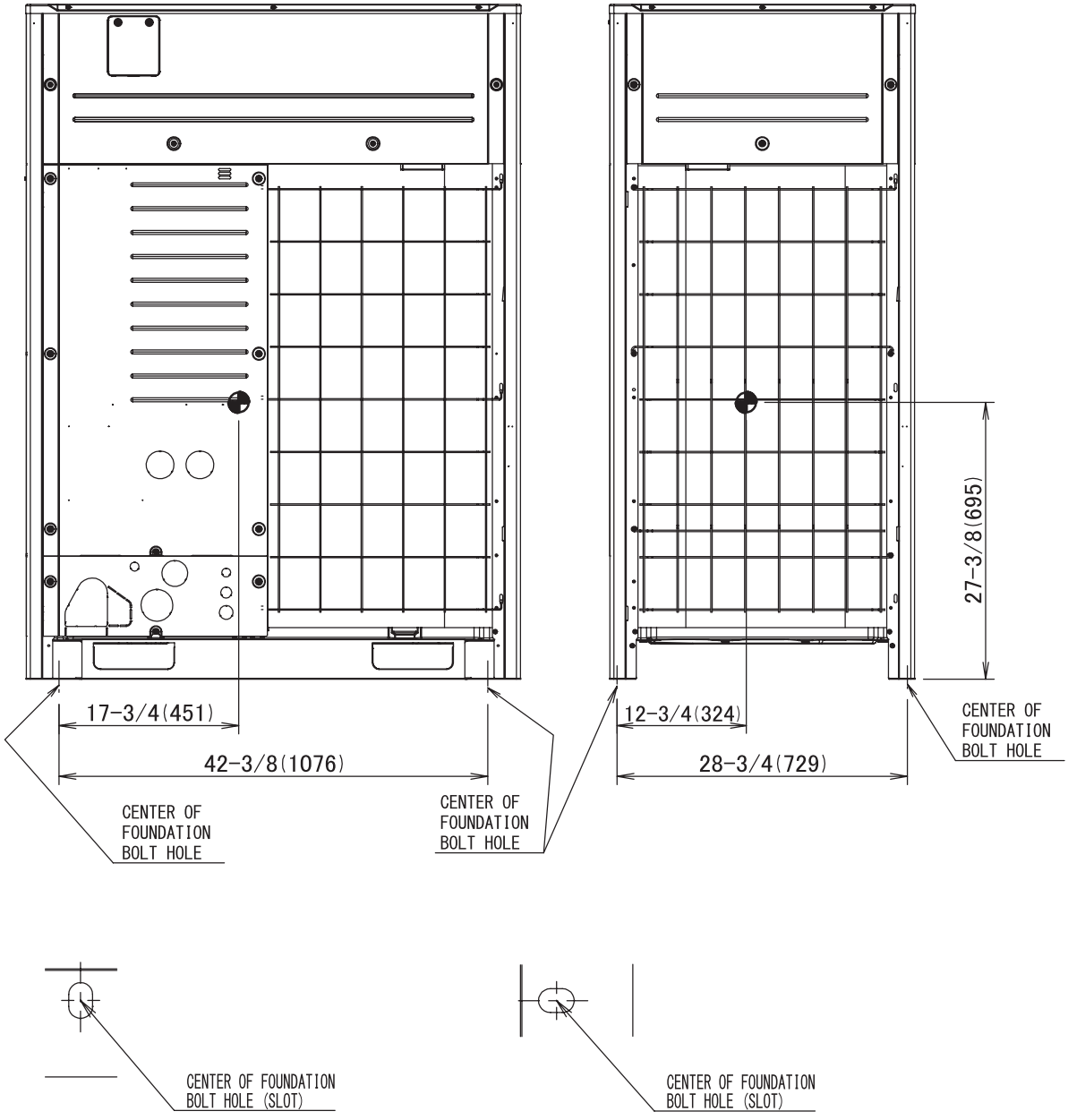
Unit : in. (mm)



4D122258

RXYQ96-120XATJA

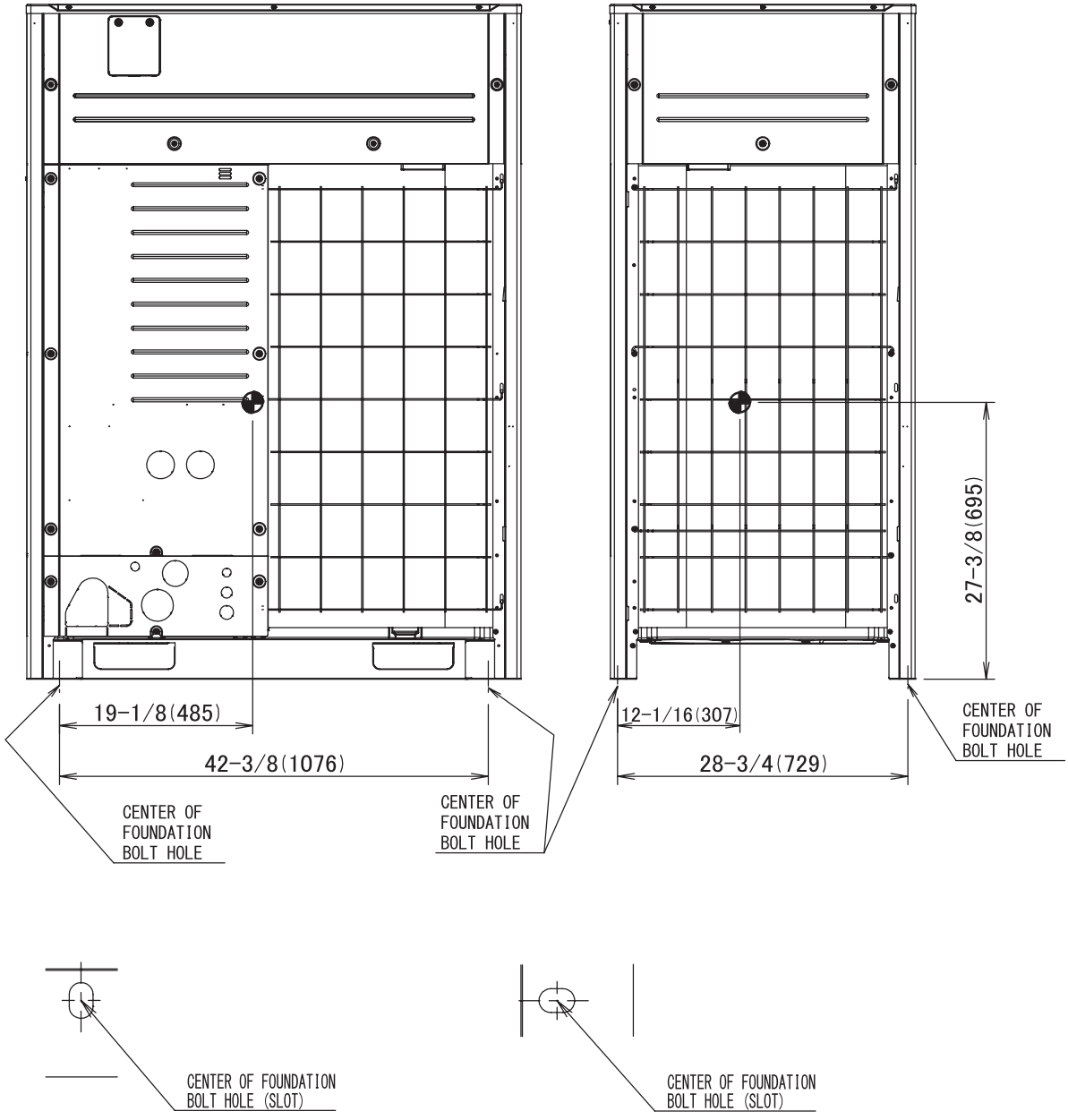
Unit : in. (mm)



4D122259

RXYQ144-168XATJA

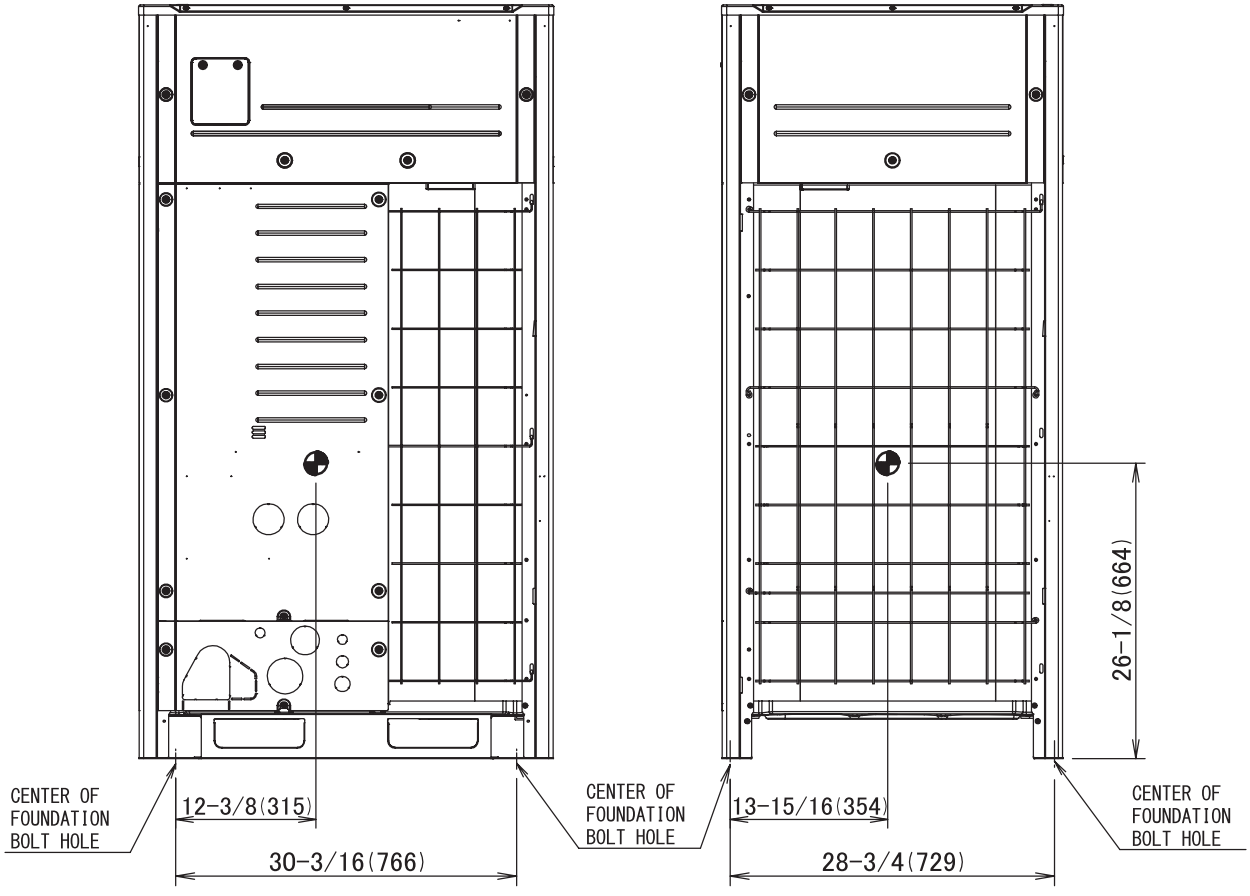
Unit : in. (mm)

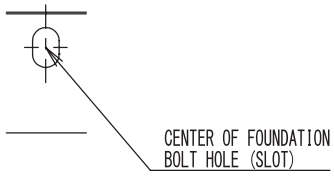


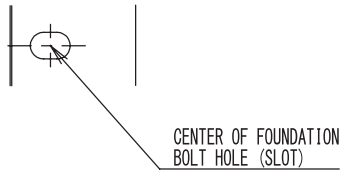
4D122260

RXYQ72XAYDA

Unit : in. (mm)



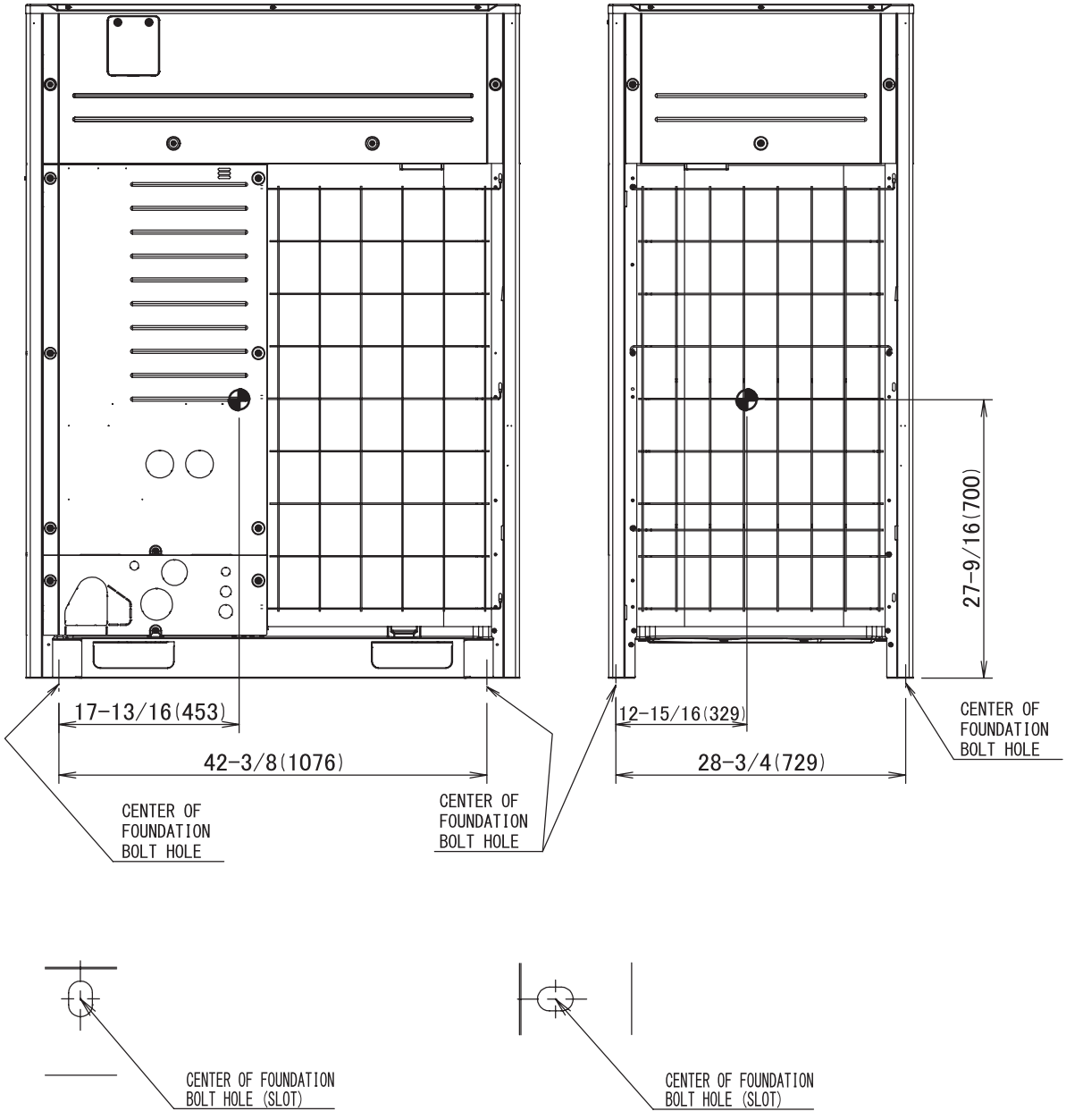




4D122261

RXYQ96-120XAYDA

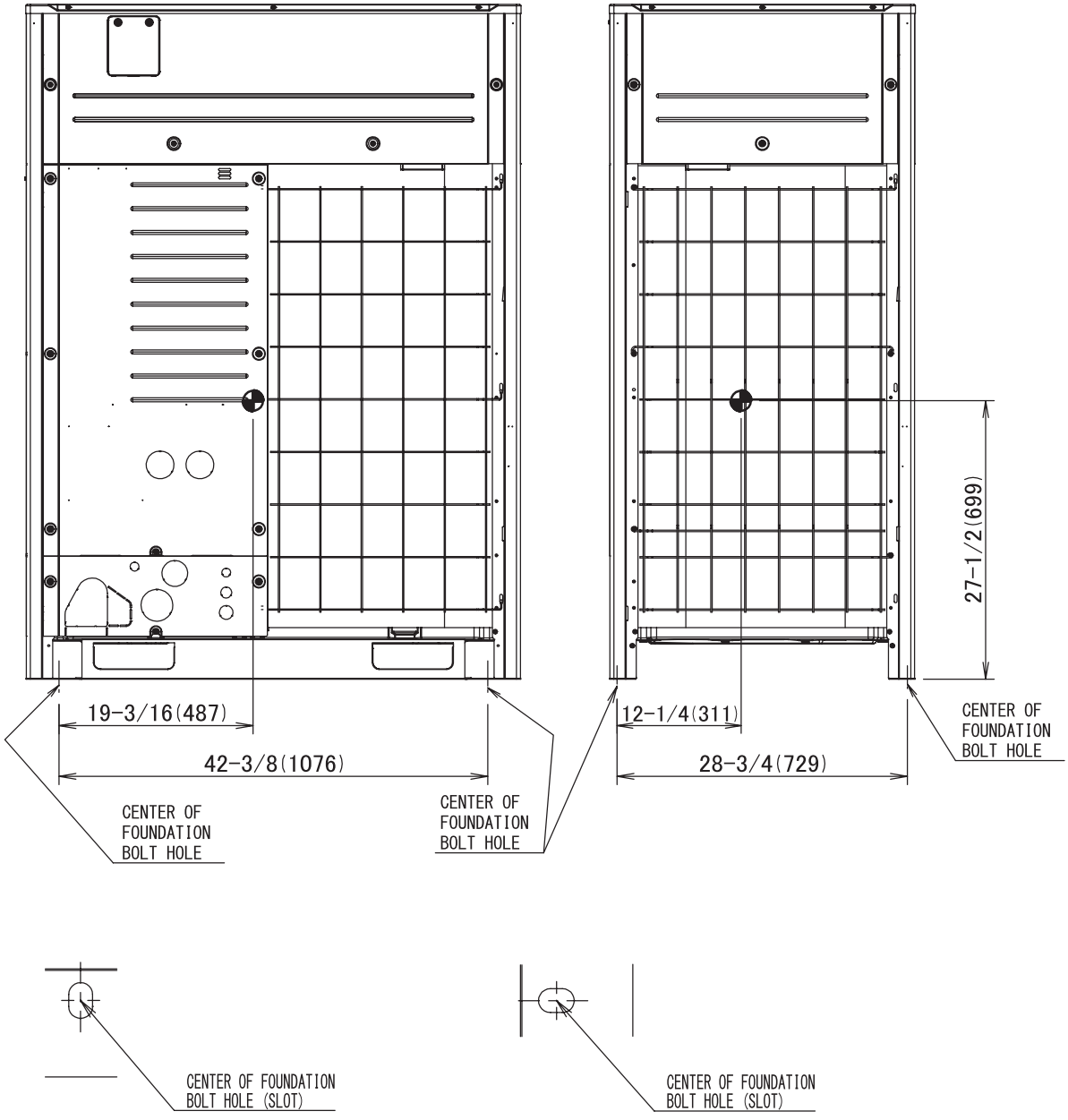
Unit : in. (mm)



4D122262

RXYQ144-168XAYDA

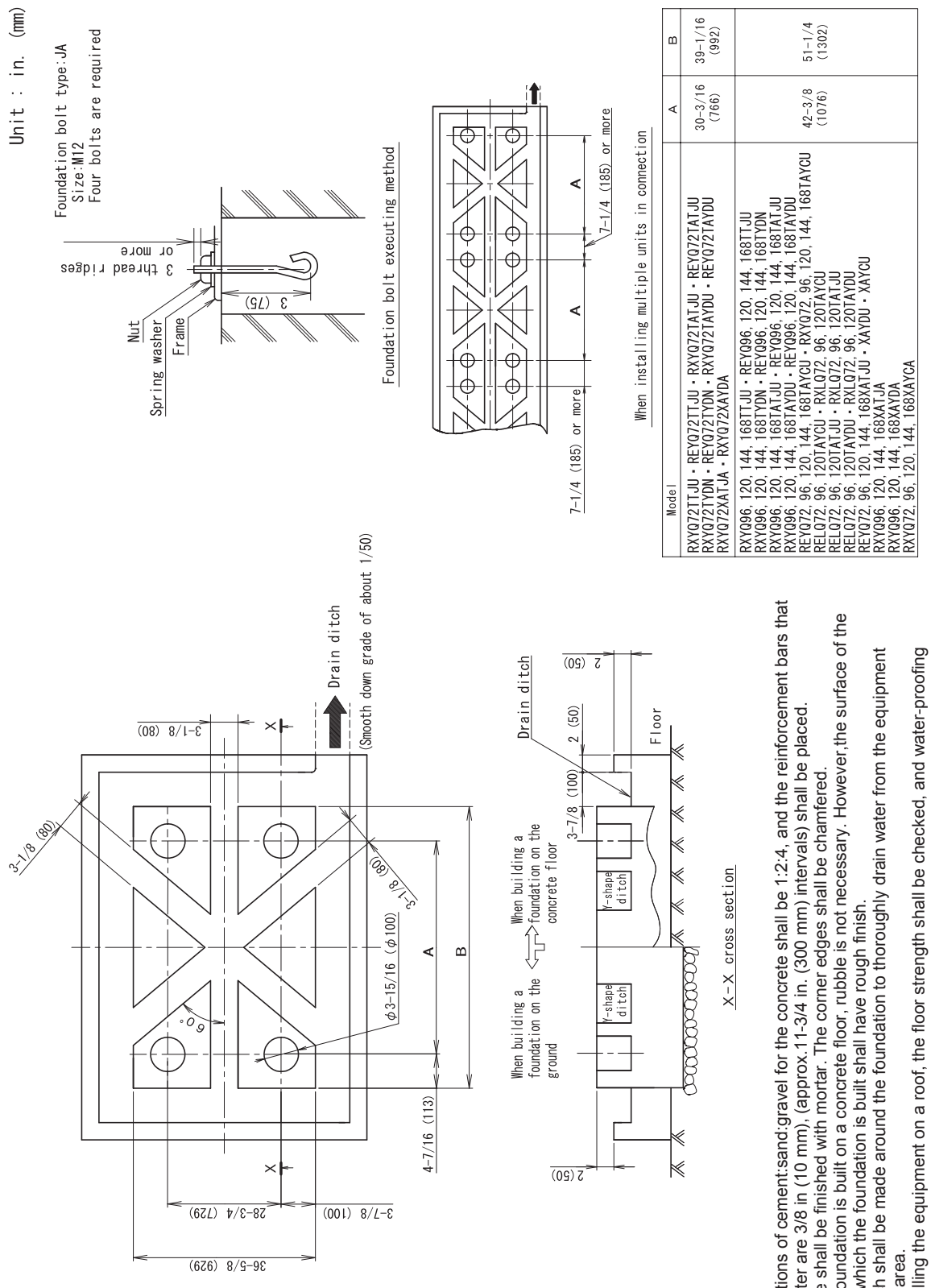
Unit : in. (mm)



4D122263

11.Foundation Drawing

RXYQ72 - 384XATJA / XAYDA



Model	A	B
RXYQ72TTJU・REYQ72TTJU・RXYQ72TATJU・REYQ72TATJU RXYQ72TYDN・REYQ72TYDN・RXYQ72TAYDU・REYQ72TAYDU RXYQ72XATJA・RXYQ72XAYDA	30-3/16 (766)	39-1/16 (992)
RXYQ96,120,144,168TTJU・REYQ96,120,144,168TTJU RXYQ96,120,144,168TYDN・REYQ96,120,144,168TYDN RXYQ96,120,144,168TATJU・REYQ96,120,144,168TATJU RXYQ96,120,144,168TAYDU・REYQ96,120,144,168TAYDU REYQ72,96,120,144,168TAYCU・RXYQ72,96,120,144,168TAYCU RELQ72,96,120TAYCU・RXLQ72,96,120TAYCU RELQ72,96,120TATJU・RXLQ72,96,120TATJU RELQ72,96,120TAYDU・RXLQ72,96,120TAYDU REYQ72,96,120,144,168XATJU・XAYDU・XAYCU RXYQ96,120,144,168XATJA RXYQ96,120,144,168XAYDA RXYQ72,96,120,144,168XAYCA	42-3/8 (1076)	51-1/4 (1302)

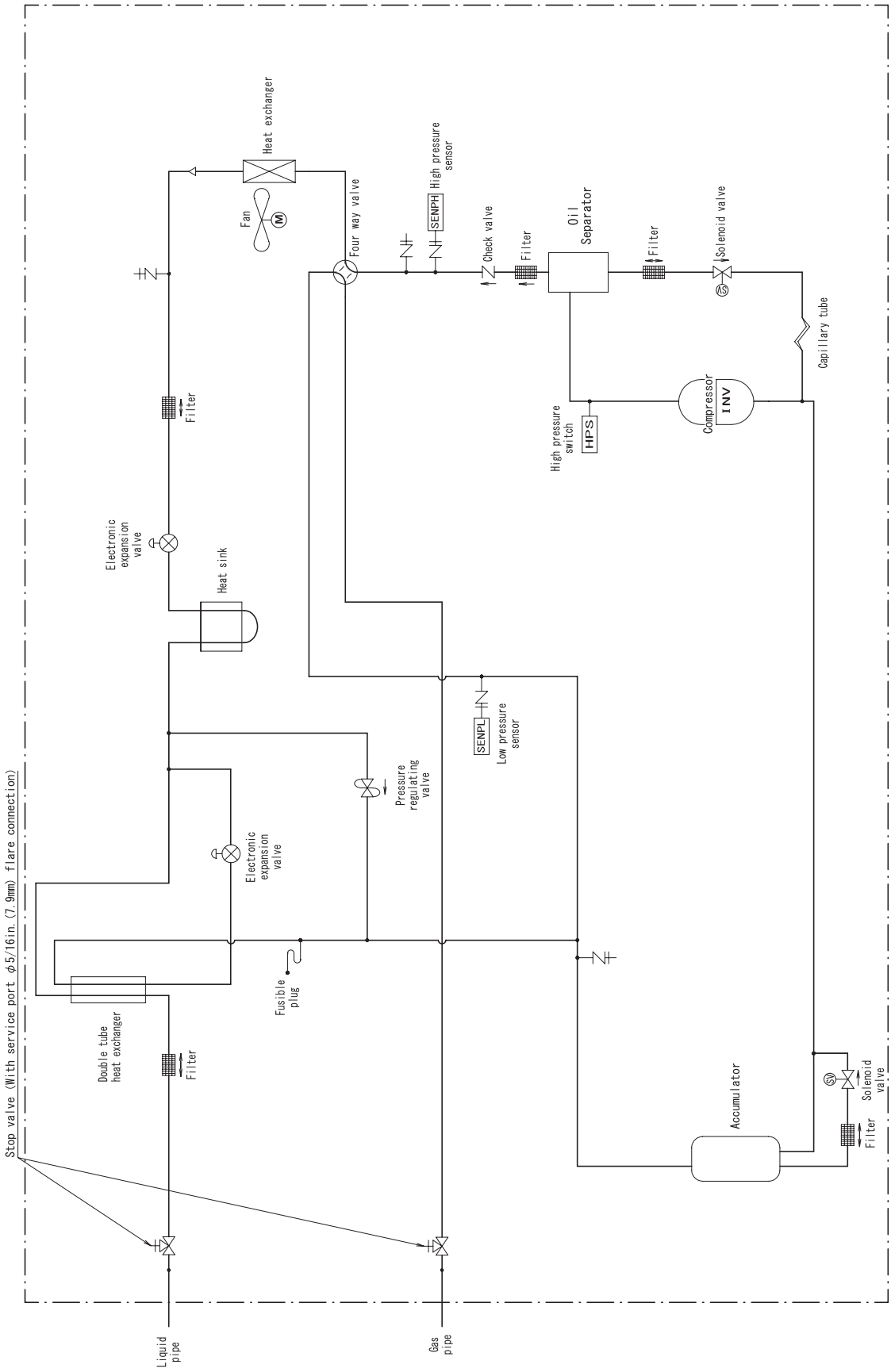
Note:
1. The proportions of cement:sand:gravel for the concrete shall be 1:2:4, and the reinforcement bars that their diameter are 3/8 in (10 mm), (approx.11-3/4 in. (300 mm) intervals) shall be placed.
2. The surface shall be finished with mortar. The corner edges shall be chamfered.
3. When the foundation 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.

C: 3D085480F

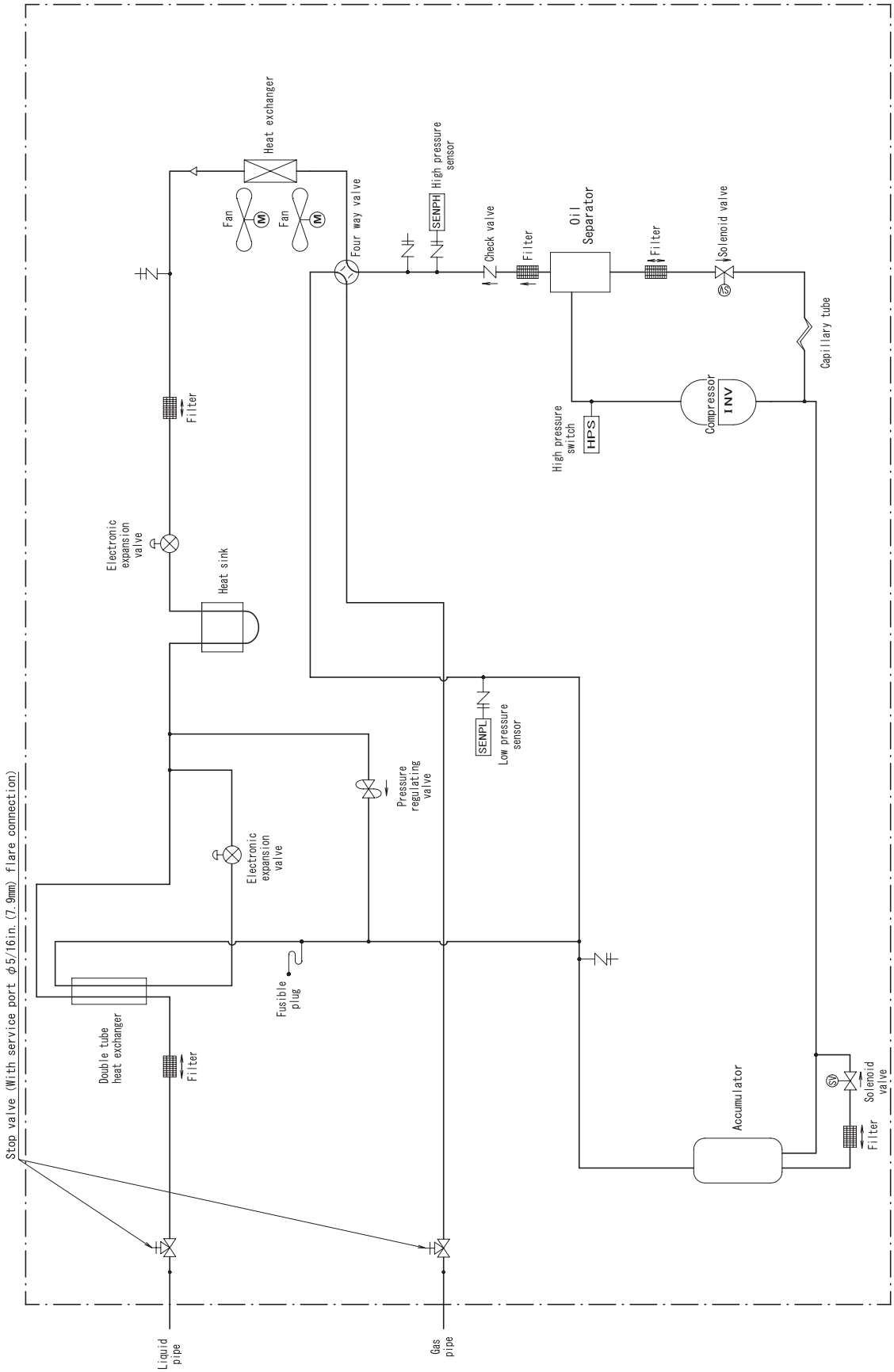
12.Piping Diagrams

RXYQ72XATJA / XAYDA

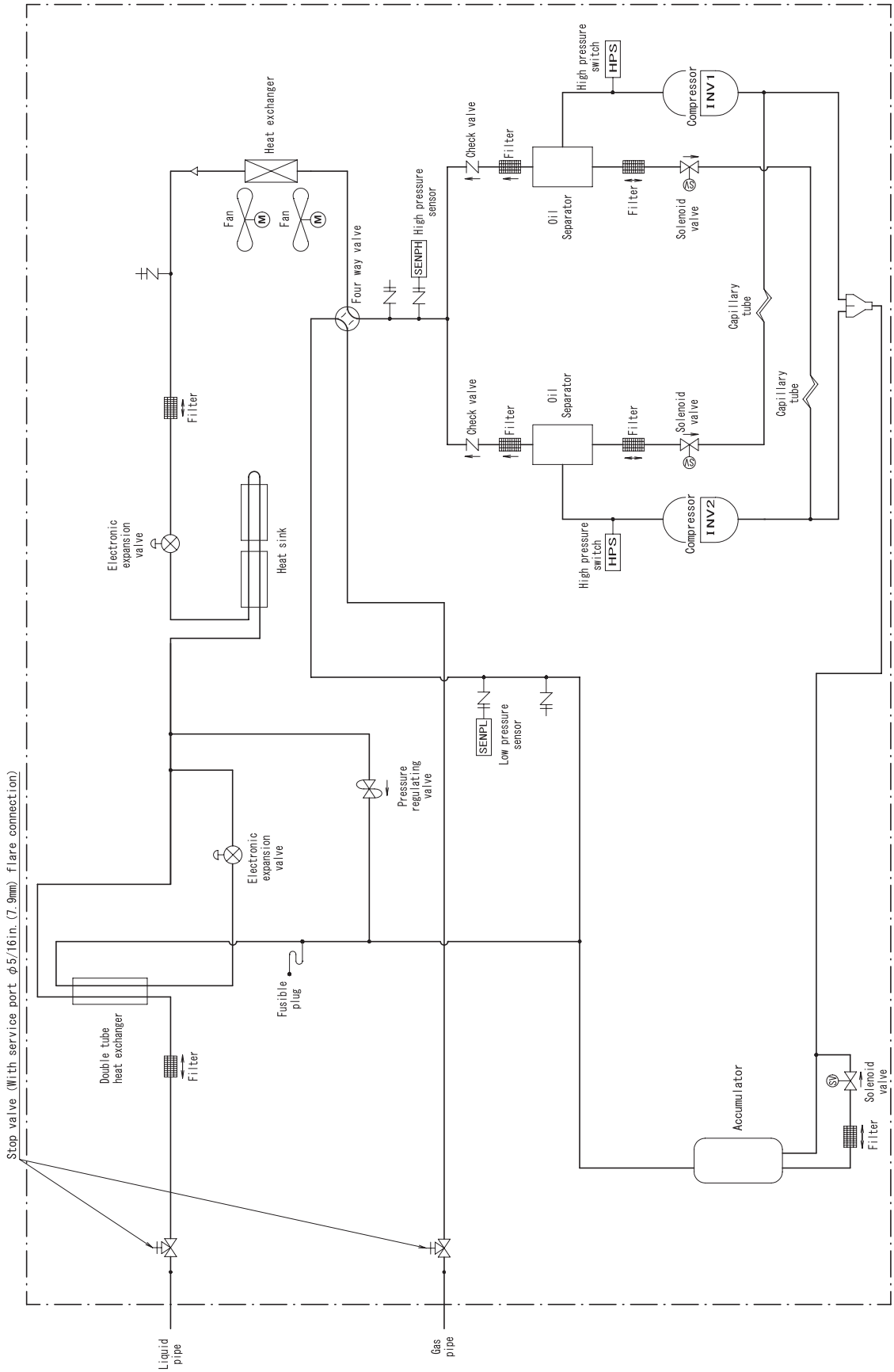
3D122249



RXYQ96-120XATJA / XAYDA

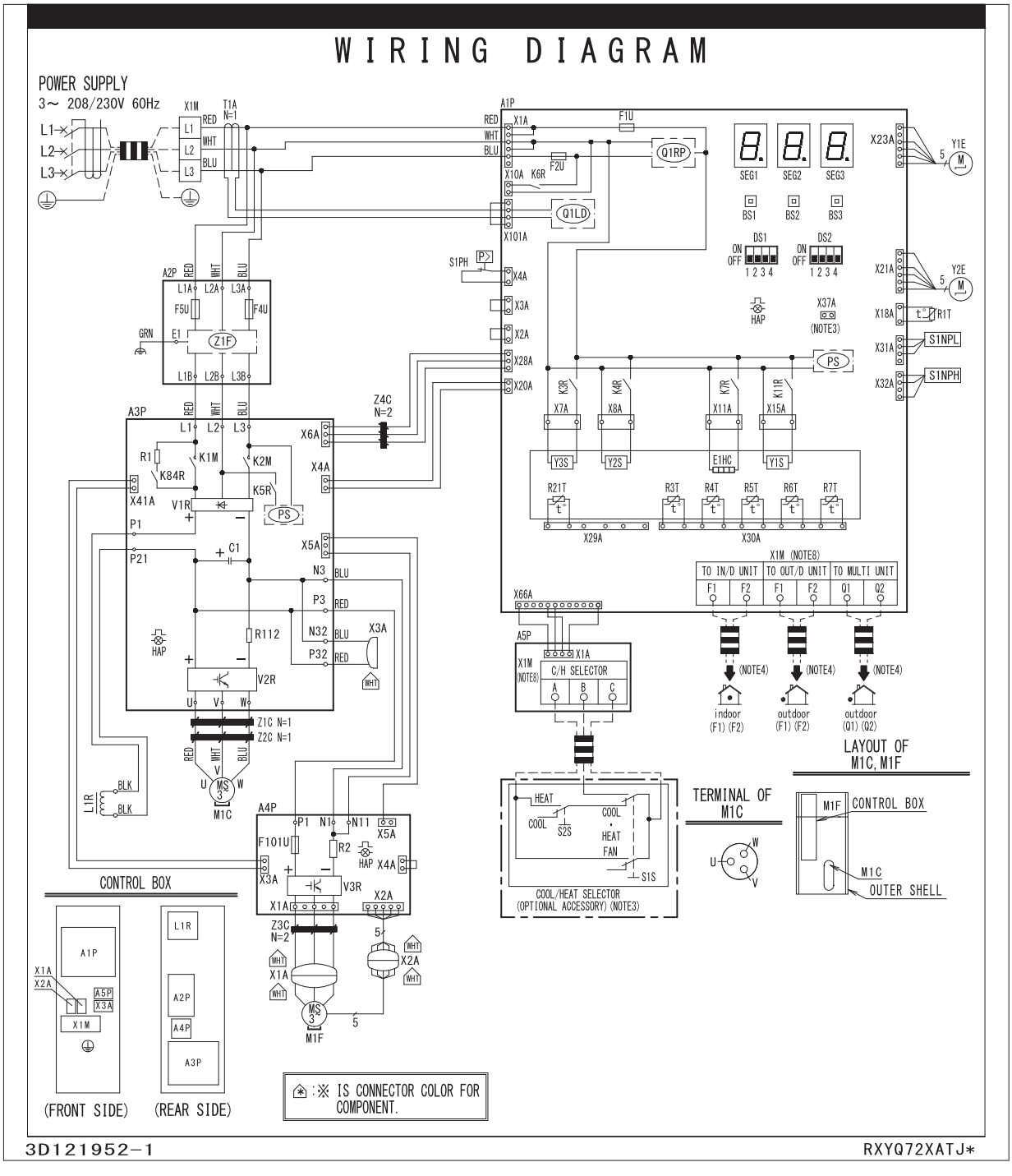


RXYQ144-168XATJA / XAYDA



13.Wiring Diagrams

RXYQ72XATJA



NOTES)1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. ⊐⊏ : FIELD WIRING, □□□ : TERMINAL BLOCK, ⊙⊙ : CONNECTOR, —o— : TERMINAL, ⏚ : PROTECTIVE GROUND (SCREW), ⏚ : NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
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, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE (S1PH).
7. COLORS BLK: BLACK; RED: RED; BLU: BLUE; WHT: WHITE; GRN: GREEN.
8. CLASS 2 WIRE

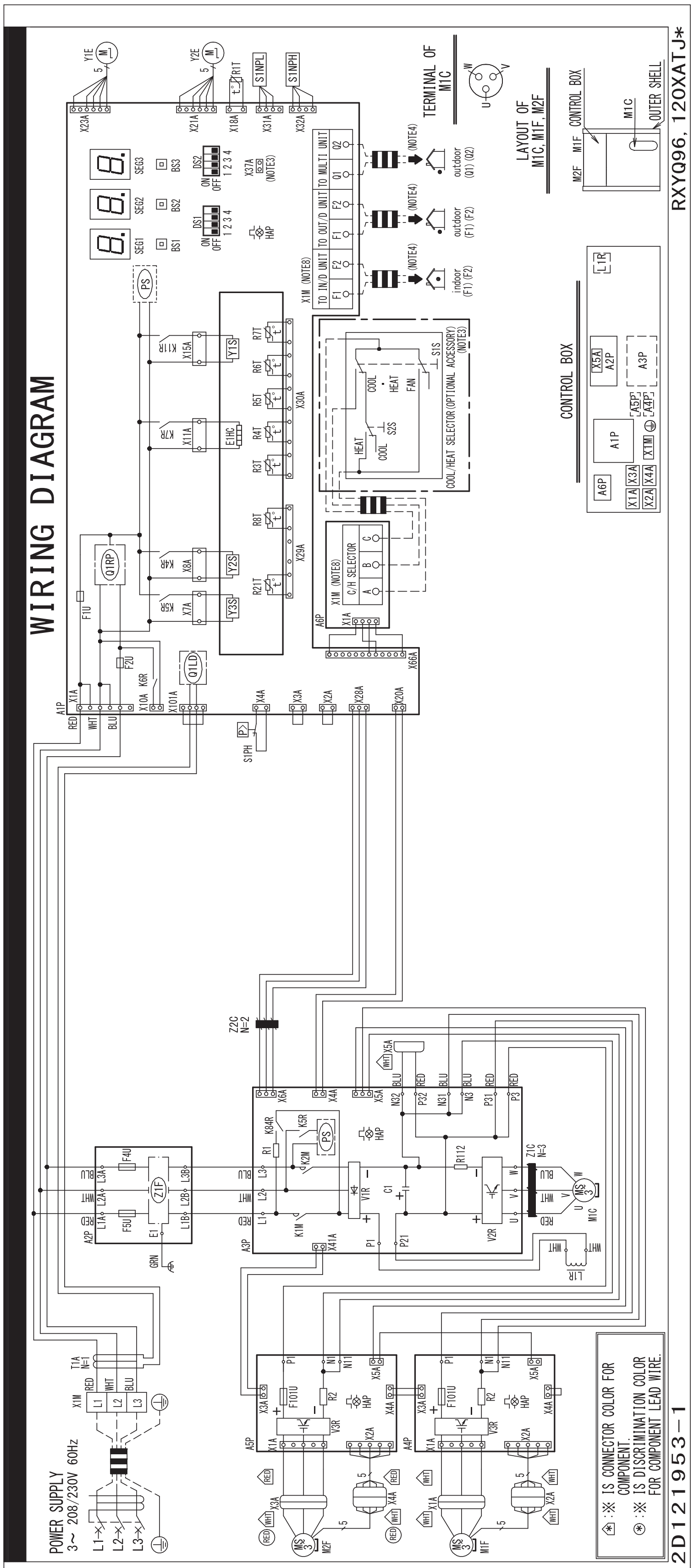
C: 3D121952

RXYQ72XATJA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R6T	THERMISTOR (SUBCOOL GAS)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R7T	THERMISTOR (DEICER)
A3P	PRINTED CIRCUIT BOARD (INV)	R112	RESISTOR (CURRENT SENSOR) (A3P)
A4P	PRINTED CIRCUIT BOARD (FAN)	R1	RESISTOR (CURRENT LIMTING) (A3P)
A5P	PRINTED CIRCUIT BOARD (ABC I/P)	R2	RESISTOR (CURRENT SENSOR) (A4P)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	S1NPH	PRESSURE SENSOR (HIGH)
		S1NPL	PRESSURE SENSOR (LOW)
C1	CAPACITOR (A3P)	S1PH	PRESSURE SWITCH (HIGH)
DS1, DS2	DIP SWITCH (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
E1HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U, F2U	FUSE (A1P)	V1R	DIODE MODULE (A3P)
F101U	FUSE (A4P)	V2R	POWER MODULE (A3P)
F4U, F5U	FUSE (A2P)	V3R	POWER MODULE (A4P)
HAP	PILOTLAMP (A1P, A3P, A4P) (SERVICE MONITOR-GREEN)	X1A, X2A	CONNECTOR (M1F)
K1M, K2M	MAGNETIC CONTACTOR (A3P)	X3A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K3R	MAGNETIC RELAY (Y3S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K5R	MAGNETIC RELAY (STANDBY) (A3P)	X1M	TERMINAL BLOCK (ABC I/P) (A5P)
K6R	MAGNETIC RELAY (OPTION) (A1P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
K7R	MAGNETIC RELAY (E1HC) (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K11R	MAGNETIC RELAY (Y1S) (A1P)	Y1S	SOLENOID VALVE (4 WAY VALVE)
K84R	MAGNETIC RELAY (CURRENT LIMITING) (A3P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
L1R	REACTOR		
M1C	MOTOR (COMPRESSOR)	Y3S	SOLENOID VALVE (OS OIL RETURN)
M1F	MOTOR (FAN)	Z1C~Z4C	NOISE FILTER (FERRITE CORE)
PS	SWITCHING POWER SUPPLY (A1P, A3P)	Z1F	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)		
Q1RP	PHASE REVERSAL DETECT CIRCUIT (A1P)		
R1T	THERMISTOR (AIR) (A1P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R21T	THERMISTOR (M1C DISCHARGE)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R3T	THERMISTOR (ACCUMULATOR)	COOL/HEAT SELECTOR	
R4T	THERMISTOR (HEAT EXC.LIQUID)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R5T	THERMISTOR (SUBCOOL LIQUID)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 3D121952

RXYQ96-120XATJA



NOTES)
1. THIS WIRING DIAGRAM APPLIES ONLY TO THE OUTDOOR UNIT.
2. [symbol] : FIELD WIRING, [symbol] : TERMINAL BLOCK, [symbol] : CONNECTOR, [symbol] : TERMINAL, [symbol] : PROTECTIVE GROUND (SCREW), [symbol] : NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
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, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE (S1PH).
7. COLORS BLK: BLACK; RED: RED; BLU: BLUE; WHT: WHITE; GRN: GREEN.
8. CLASS 2 WIRE

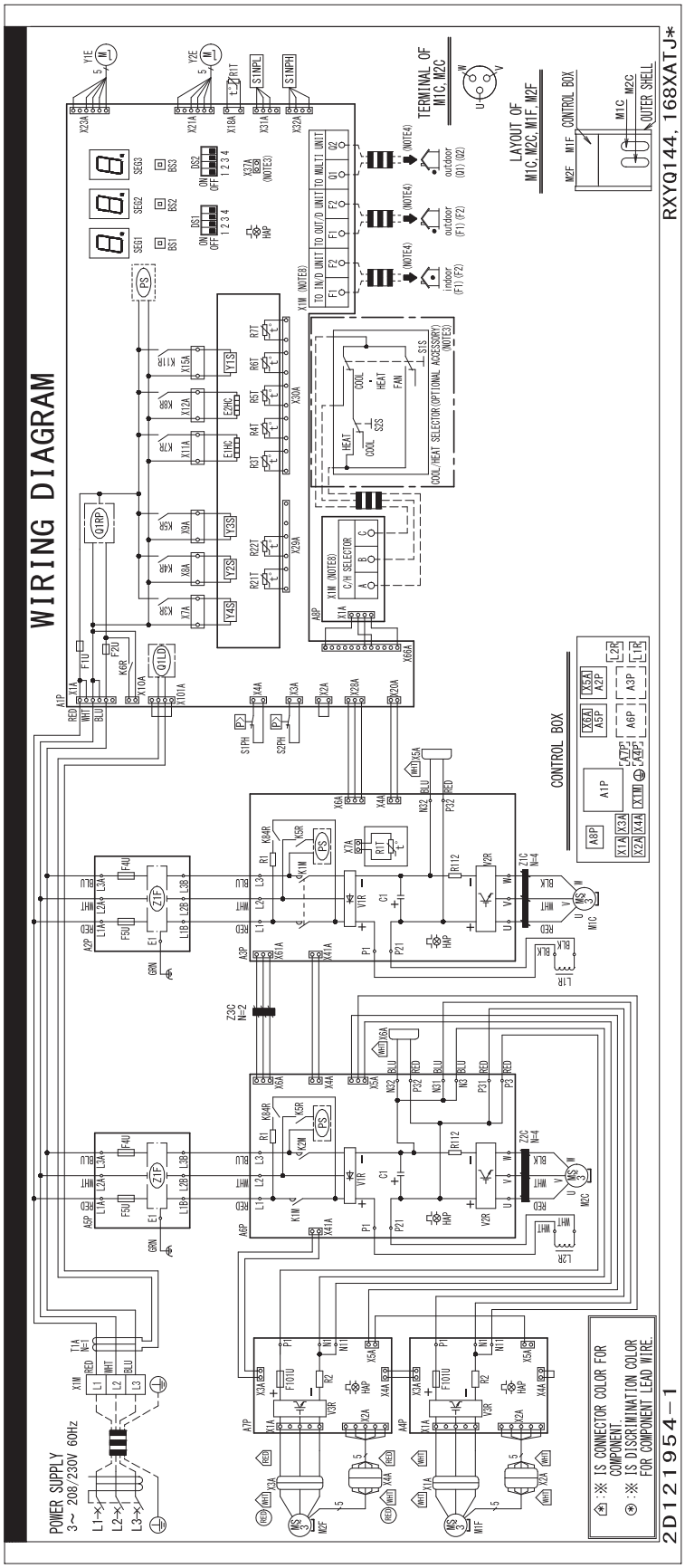
C: 2D121953

RXYQ96-120XATJA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R4T	THERMISTOR (HEAT EXC.LIQUID)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R5T	THERMISTOR (SUBCOOL LIQUID)
A3P	PRINTED CIRCUIT BOARD (INV)	R6T	THERMISTOR (SUBCOOL GAS)
A4P, A5P	PRINTED CIRCUIT BOARD (FAN)	R7T	THERMISTOR (DEICER)
A6P	PRINTED CIRCUIT BOARD (ABC I/P)	R8T	THERMISTOR (M1C BODY)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	S1NPH	PRESSURE SENSOR (HIGH)
		S1NPL	PRESSURE SENSOR (LOW)
C1	CAPACITOR (A3P)	S1PH	PRESSURE SWITCH (HIGH)
DS1, DS2	DIP SWITCH (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
E1HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U, F2U	FUSE (A1P)	V1R	DIODE MODULE (A3P)
F101U	FUSE (A4P, A5P)	V2R	POWER MODULE (A3P)
F4U, F5U	FUSE (A2P)	V3R	POWER MODULE (A4P, A5P)
HAP	PILOTLAMP (A1P, A3P, A4P, A5P) (SERVICE MONITOR-GREEN)	X1A~X4A	CONNECTOR (M1F, M2F)
		X5A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K1M, K2M	MAGNETIC CONTACTOR (A3P)		
K4R	MAGNETIC RELAY (Y2S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K5R	MAGNETIC RELAY (Y3S) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K5R	MAGNETIC RELAY (STANDBY) (A3P)	X1M	TERMINAL BLOCK (ABC I/P) (A6P)
K6R	MAGNETIC RELAY (OPTION) (A1P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
K7R	MAGNETIC RELAY (E1HC) (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K11R	MAGNETIC RELAY (Y1S) (A1P)		
K84R	MAGNETIC RELAY (CURRENT LIMTING) (A3P)	Y1S	SOLENOID VALVE (4 WAY VALVE)
		Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
L1R	REACTOR		
M1C	MOTOR (COMPRESSOR)	Y3S	SOLENOID VALVE (OS OIL RETURN)
M1F, M2F	MOTOR (FAN)	Z1C, Z2C	NOISE FILTER (FERRITE CORE)
PS	SWITCHING POWER SUPPLY (A1P, A3P)	Z1F	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)		
Q1RP	PHASE REVERSAL DETECT CIRCUIT (A1P)		
R1	RESISTOR (CURRENT LIMTING) (A3P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R112	RESISTOR (CURRENT SENSOR) (A3P)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R2	RESISTOR (CURRENT LIMITING) (A4P, A5P)		
R1T	THERMISTOR (AIR) (A1P)	COOL/HEAT SELECTOR	
R21T	THERMISTOR (M1C DISCHARGE)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R3T	THERMISTOR (ACCUMULATOR)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 3D121953

RXYQ144-168XATJA



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 ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
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, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE (S1PH, S2PH).
7. COLORS BLK: BLACK; RED: RED; BLU: BLUE; WHT: WHITE; GRN: GREEN.
8. CLASS 2 WIRE

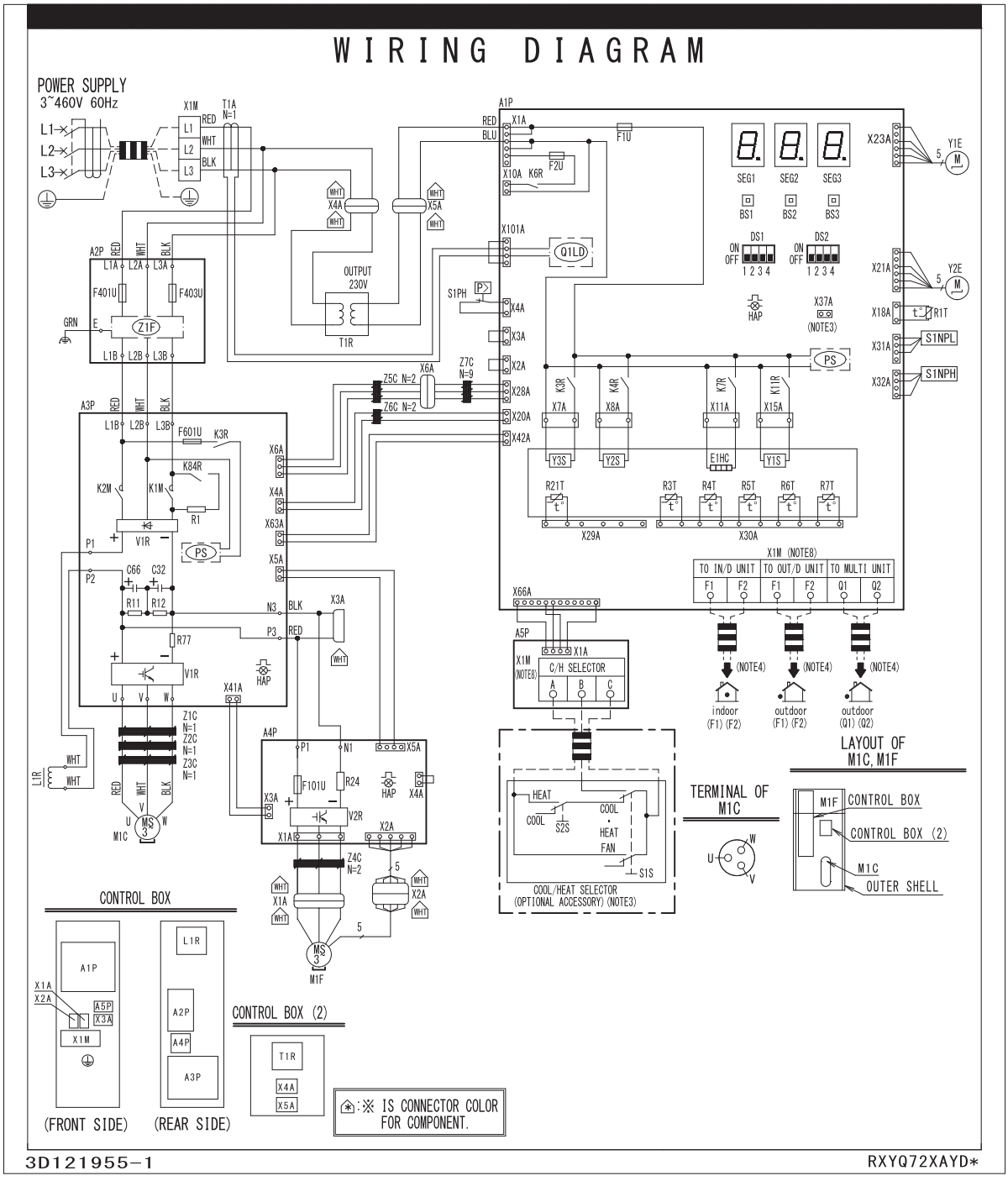
C: 2D121954

RXYQ144-168XATJA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R21T, R22T	THERMISTOR (M1C, M2C DISCHARGE)
A2P, A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R3T	THERMISTOR (ACCUMULATOR)
A3P, A6P	PRINTED CIRCUIT BOARD (INV)	R4T	THERMISTOR (HEAT EXC.LIQUID)
A4P, A7P	PRINTED CIRCUIT BOARD (FAN)	R5T	THERMISTOR (SUBCOOL LIQUID)
A8P	PRINTED CIRCUIT BOARD (ABC I/P)	R6T	THERMISTOR (SUBCOOL GAS)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	R7T	THERMISTOR (DEICER)
		S1NPH	PRESSURE SENSOR (HIGH)
C1	CAPACITOR (A3P, A6P)	S1NPL	PRESSURE SENSOR (LOW)
DS1, DS2	DIP SWITCH (A1P)	S1PH, S2PH	PRESSURE SWITCH (HIGH)
E1HC, E2HC	CRANKCASE HEATER	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F1U, F2U	FUSE (A1P)	T1A	CURRENT SENSOR
F101U	FUSE (A4P, A7P)	V1R	DIODE MODULE (A3P, A6P)
F4U, F5U	FUSE (A2P, A5P)	V2R	POWER MODULE (A3P, A6P)
HAP	PILOTLAMP (A1P, A3P, A4P, A6P, A7P) (SERVICE MONITOR-GREEN)	V3R	POWER MODULE (A4P, A7P)
		X1A~X4A	CONNECTOR (M1F, M2F)
K1M	MAGNETIC CONTACTOR (M1C) (A3P)	X5A, X6A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K1M, K2M	MAGNETIC CONTACTOR (M2C) (A6P)		
K3R	MAGNETIC RELAY (Y4S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K5R	MAGNETIC RELAY (Y3S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A8P)
K5R	MAGNETIC RELAY (STANDBY) (A3P, A6P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
K6R	MAGNETIC RELAY (OPTION) (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K7R, K8R	MAGNETIC RELAY (E1HC) (E2HC) (A1P)		
K11R	MAGNETIC RELAY (Y1S) (A1P)	Y1S	SOLENOID VALVE (4 WAY VALVE)
K84R	MAGNETIC RELAY (CURRENT LIMTING) (A3P, A6P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
L1R, L2R	REACTOR	Y3S	SOLENOID VALVE (OS OIL RETURN 1)
M1C, M2C	MOTOR (COMPRESSOR)	Y4S	SOLENOID VALVE (OS OIL RETURN 2)
M1F, M2F	MOTOR (FAN)	Z1C~Z3C	NOISE FILTER (FERRITE CORE)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P)	Z1F	NOISE FILTER (A2P, A5P) (WITH SURGE ABSORBER)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)		
Q1RP	PHASE REVERSAL DETECT CIRCUIT (A1P)		
R1	RESISTOR (CURRENT LIMTING) (A3P, A6P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R112	RESISTOR (CURRENT SENSOR) (A3P, A6P)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R2	RESISTOR (CURRENT LIMITING) (A4P, A7P)	COOL/HEAT SELECTOR	
R1T	THERMISTOR (AIR) (A1P)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R1T	THERMISTOR (HEAT SINK) (A3P)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 2D121954

RXYQ72XAYDA



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 ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
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, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE (S1PH).
7. COLORS BLK: BLACK; RED: RED; BLU: BLUE; WHT: WHITE; GRN: GREEN.
8. CLASS 2 WIRE

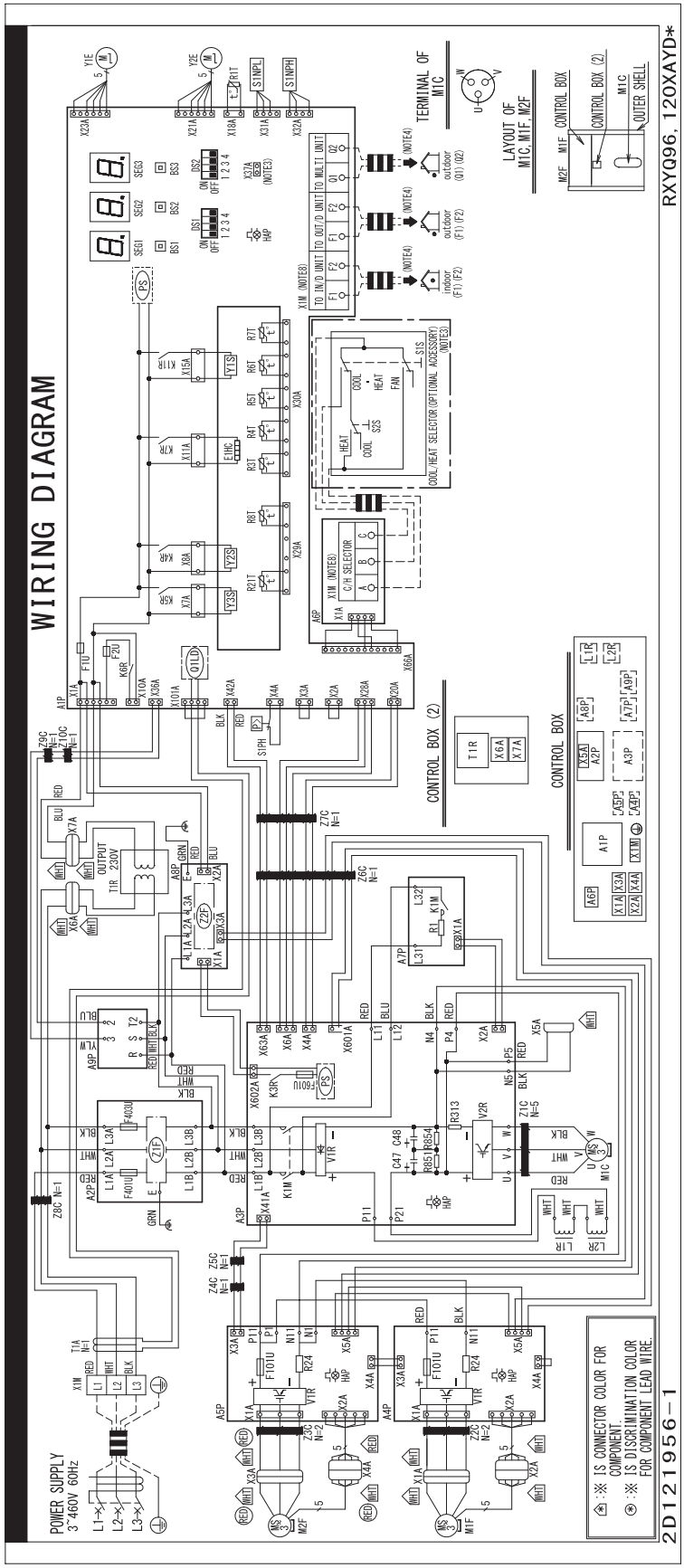
C: 3D121955

RXYQ72XAYDA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R1	RESISTOR (CURRENT LIMITING) (A3P)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R11, R12	RESISTOR (A3P)
A3P	PRINTED CIRCUIT BOARD (INV)	R24	RESISTOR (CURRENT SENSOR) (A4P)
A4P	PRINTED CIRCUIT BOARD (FAN)	R77	RESISTOR (CURRENT SENSOR) (A3P)
A5P	PRINTED CIRCUIT BOARD (ABC I/P)	S1NPH	PRESSURE SENSOR (HIGH)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	S1NPL	PRESSURE SENSOR (LOW)
		S1PH	PRESSURE SWITCH (HIGH)
C32, C66	CAPACITOR (A3P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
DS1, DS2	DIP SWITCH (A1P)	T1A	CURRENT SENSOR
E1HC	CRANKCASE HEATER	T1R	TRANSFORMER (460V/230V)
F1U, F2U	FUSE (A1P)	V1R	POWER MODULE (A3P)
F101U	FUSE (A4P)	V2R	POWER MODULE (A4P)
F401U, F403U	FUSE (A2P)	X1A, X2A	CONNECTOR (M1F)
F601U	FUSE (A3P)	X3A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
HAP	PILOTLAMP (A1P, A3P, A4P) (SERVICE MONITOR-GREEN)	X4A, X5A	CONNECTOR (T1R)
		X6A	CONNECTOR
K1M, K2M	MAGNETIC CONTACTOR (A3P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K3R	MAGNETIC RELAY (A3P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K3R	MAGNETIC RELAY (Y3S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A5P)
K84R	MAGNETIC RELAY (A3P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
K4R	MAGNETIC RELAY (Y2S) (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K6R	MAGNETIC RELAY (OPTION) (A1P)		
K7R	MAGNETIC RELAY (E1HC) (A1P)	Y1S	SOLENOID VALVE (4 WAY VALVE)
K11R	MAGNETIC RELAY (Y1S) (A1P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
L1R	REACTOR		
M1C	MOTOR (COMPRESSOR)	Y3S	SOLENOID VALVE (OS OIL RETURN)
M1F	MOTOR (FAN)	Z1C~Z7C	NOISE FILTER (FERRITE CORE)
PS	SWITCHING POWER SUPPLY (A1P, A3P)	Z1F	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
Q1LD	LEAKAGE DETECTION CIRCUIT(A1P)		
R1T	THERMISTOR (AIR) (A1P)		
R21T	THERMISTOR (M1C DISCHARGE)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R3T	THERMISTOR (ACCUMULATOR)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R4T	THERMISTOR (HEAT EXC.LIQUID)		
R5T	THERMISTOR (SUBCOOL LIQUID)	COOL/HEAT SELECTOR	
R6T	THERMISTOR (SUBCOOL GAS)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R7T	THERMISTOR (DEICER)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 3D121955

RXYQ96-120XAYDA



NOTES)
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2. ⊐⊏: FIELD WIRING, □□□: TERMINAL BLOCK, ○○: CONNECTOR,
   —○—: TERMINAL, ⏚: PROTECTIVE GROUND (SCREW), ⏚: NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
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, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE (S1PH).
7. COLORS BLK: BLACK; RED: RED; BLU: BLUE; WHT: WHITE; GRN: GREEN; YLW: YELLOW
8. CLASS 2 WIRE

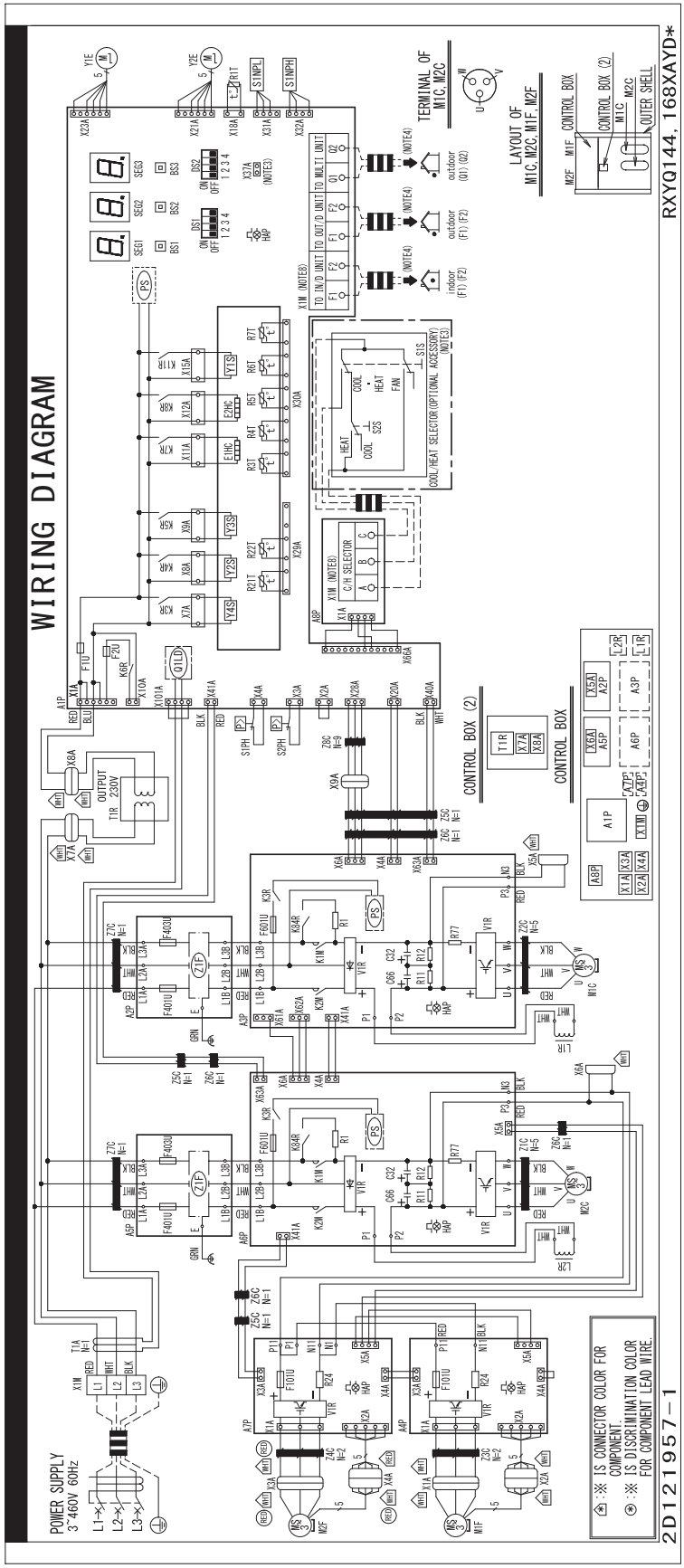
C: 2D121956

RXYQ96-120XAYDA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R3T	THERMISTOR (ACCUMULATOR)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R4T	THERMISTOR (HEAT EXC.LIQUID)
A3P	PRINTED CIRCUIT BOARD (INV)	R5T	THERMISTOR (SUBCOOL LIQUID)
A4P, A5P	PRINTED CIRCUIT BOARD (FAN)	R6T	THERMISTOR (SUBCOOL GAS)
A6P	PRINTED CIRCUIT BOARD (ABC I/P)	R7T	THERMISTOR (DEICER)
A7P	PRINTED CIRCUIT BOARD (CURRENT LIMITING)	R8T	THERMISTOR (M1C BODY)
		S1NPH	PRESSURE SENSOR (HIGH)
A8P	PRINTED CIRCUIT BOARD (NOISE FILTER)	S1NPL	PRESSURE SENSOR (LOW)
A9P	PRINTED CIRCUIT BOARD (OPEN PHASE PROTECTION)	S1PH	PRESSURE SWITCH (HIGH)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	SEG1~SEG3	7- SEGMENT DISPLAY (A1P)
		T1R	TRANSFORMER (460V/230V)
C47, C48	CAPACITOR (A3P)	T1A	CURRENT SENSOR
DS1, DS2	DIP SWITCH (A1P)	V1R	POWER MODULE (A3P)
E1HC	CRANKCASE HEATER	V1R	POWER MODULE (A4P, A5P)
F1U, F2U	FUSE (A1P)	V2R	POWER MODULE (A3P)
F101U	FUSE (A4P, A5P)	X1A~X4A	CONNECTOR (M1F, M2F)
F401U, F403U	FUSE (A2P)	X5A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
F601U	FUSE (A3P)		
HAP	PILOTLAMP (A1P, A3P, A4P, A5P) (SERVICE MONITOR-GREEN)	X6A, X7A	CONNECTOR (T1R)
		X1M	TERMINAL BLOCK (POWER SUPPLY)
K1M	MAGNETIC CONTACTOR (A3P, A7P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K3R	MAGNETIC RELAY (A3P)	X1M	TERMINAL BLOCK (ABC I/P) (A6P)
K4R	MAGNETIC RELAY (Y2S) (A1P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
K5R	MAGNETIC RELAY (Y3S) (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K6R	MAGNETIC RELAY (OPTION) (A1P)		
K7R	MAGNETIC RELAY (E1HC) (A1P)	Y1S	SOLENOID VALVE (4 WAY VALVE)
K11R	MAGNETIC RELAY (Y1S) (A1P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
L1R, L2R	REACTOR		
M1C	MOTOR (COMPRESSOR)	Y3S	SOLENOID VALVE (OS OIL RETURN)
M1F, M2F	MOTOR (FAN)	Z1C~Z10C	NOISE FILTER (FERRITE CORE)
PS	SWITCHING POWER SUPPLY (A1P, A3P)	Z1F	NOISE FILTER (A2P) (WITH SURGE ABSORBER)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)		
R1	RESISTOR (CURRENT LIMITING) (A7P)	Z2F	NOISE FILTER (A8P)
R24	RESISTOR (CURRENT SENSOR) (A4P, A5P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R313	RESISTOR (CURRENT SENSOR) (A3P)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R851, R854	RESISTOR (A3P)	COOL/HEAT SELECTOR	
R1T	THERMISTOR (AIR) (A1P)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R21T	THERMISTOR (M1C DISCHARGE)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 2D121956

RXYQ144-168XAYDA



NOTES)
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2. ⊐=▮▮=⊏ : FIELD WIRING, □□□ : TERMINAL BLOCK, ⊙⊙: CONNECTOR,
   –○– : TERMINAL, ⏚ : PROTECTIVE GROUND (SCREW), ⏚: NOISELESS GROUND.
3. WHEN USING THE OPTIONAL ADAPTOR, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ADAPTOR.
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, DO NOT SHORTCIRCUIT THE PROTECTION DEVICE (S1PH, S2PH).
7. COLORS BLK: BLACK; RED: RED; BLU: BLUE; WHT: WHITE; GRN: GREEN.
8. CLASS 2 WIRE

C: 2D121957

RXYQ144-168XAYDA

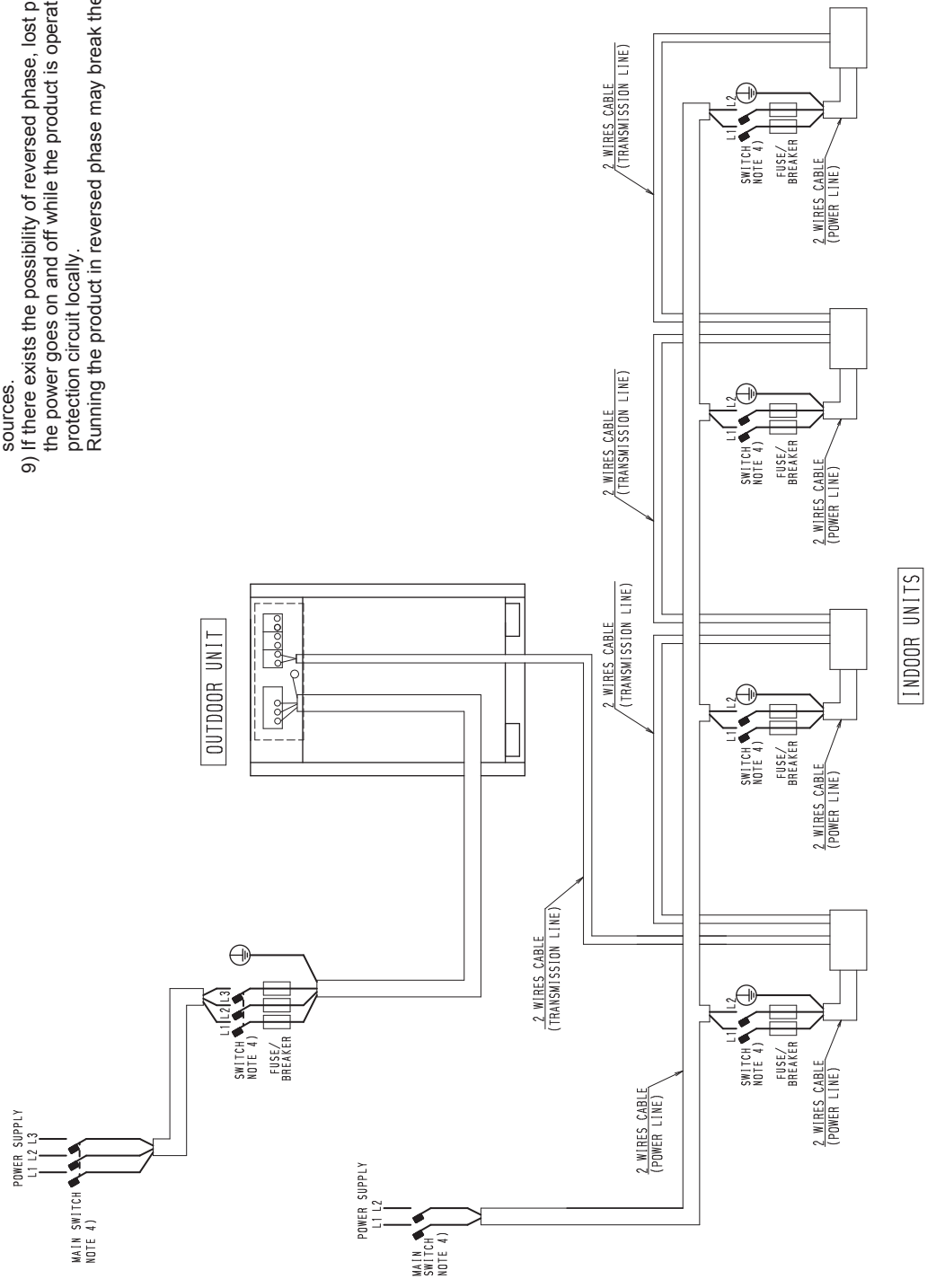
A1P	PRINTED CIRCUIT BOARD (MAIN)	R3T	THERMISTOR (ACCUMULATOR)
A2P, A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R4T	THERMISTOR (HEAT EXC.LIQUID)
A3P, A6P	PRINTED CIRCUIT BOARD (INV)	R5T	THERMISTOR (SUBCOOL LIQUID)
A4P, A7P	PRINTED CIRCUIT BOARD (FAN)	R6T	THERMISTOR (SUBCOOL GAS)
A8P	PRINTED CIRCUIT BOARD (ABC I/P)	R7T	THERMISTOR (DEICER)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE, SET, RETURN)	S1NPH	PRESSURE SENSOR (HIGH)
		S1NPL	PRESSURE SENSOR (LOW)
C32, C66	CAPACITOR (A3P, A6P)	S1PH, S2PH	PRESSURE SWITCH (HIGH)
DS1, DS2	DIP SWITCH (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
E1HC, E2HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U, F2U	FUSE (A1P)	T1R	TRANSFORMER (460V/230V)
F101U	FUSE (A4P, A7P)	V1R	POWER MODULE (A3P, A6P)
F401U, F403U	FUSE (A2P, A5P)	V1R	POWER MODULE (A4P, A7P)
F601U	FUSE (A3P, A6P)	X1A~X4A	CONNECTOR (M1F, M2F)
HAP	PILOTLAMP (A1P, A3P, A4P, A6P, A7P) (SERVICE MONITOR-GREEN)	X5A, X6A	CONNECTOR (CHECK THE RESIDUAL CHARGE)
K1M, K2M	MAGNETIC CONTACTOR (A3P, A6P)	X7A, X8A	CONNECTOR (T1R)
K3R	MAGNETIC RELAY (A3P, A6P)	X9A	CONNECTOR
K3R	MAGNETIC RELAY (Y4S) (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K84R	MAGNETIC RELAY (A3P, A6P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K4R	MAGNETIC RELAY (Y2S) (A1P)	X1M	TERMINAL BLOCK (ABC I/P) (A8P)
K5R	MAGNETIC RELAY (Y3S) (A1P)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
K6R	MAGNETIC RELAY (OPTION) (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)
K7R	MAGNETIC RELAY (E1HC) (A1P)		
K8R	MAGNETIC RELAY (E2HC) (A1P)	Y1S	SOLENOID VALVE (4 WAY VALVE)
K11R	MAGNETIC RELAY (Y1S) (A1P)	Y2S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
L1R, L2R	REACTOR		
M1C, M2C	MOTOR (COMPRESSOR)	Y3S	SOLENOID VALVE (OS OIL RETURN 1)
M1F, M2F	MOTOR (FAN)	Y4S	SOLENOID VALVE (OS OIL RETURN 2)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P)	Z1C~Z8C	NOISE FILTER (FERRITE CORE)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Z1F	NOISE FILTER (A2P, A5P) (WITH SURGE ABSORBER)
R1	RESISTOR (CURRENT LIMITING) (A3P, A6P)		
R11, R12	RESISTOR (A3P, A6P)	CONNECTOR FOR OPTIONAL ACCESSORIES	
R24	RESISTOR (CURRENT SENSOR) (A4P, A7P)	X37A	CONNECTOR (POWER ADAPTOR) (A1P)
R77	RESISTOR (CURRENT SENSOR) (A3P, A6P)	COOL/HEAT SELECTOR	
R1T	THERMISTOR (AIR) (A1P)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R21T, R22T	THERMISTOR (M1C, M2C DISCHARGE)	S2S	SELECTOR SWITCH (COOL/HEAT)

C: 2D121957

14.Field Wiring

RXYQ72-168XATJA / XAYDA

Note:
1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Field wiring diagram is to be used as a guideline only. Wiring should comply with applicable local and national codes.
5) Unit shall be grounded in compliance with the applicable local and national codes.
6) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
7) Be sure to install the switch and the fuse/breaker to the power line of each piece of equipment.
8) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
9) If there exists the possibility of reversed phase, lost phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
Running the product in reversed phase may break the compressor and other parts.



C: 3D087054C

Note:
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2) Use copper conductors only.
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8) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
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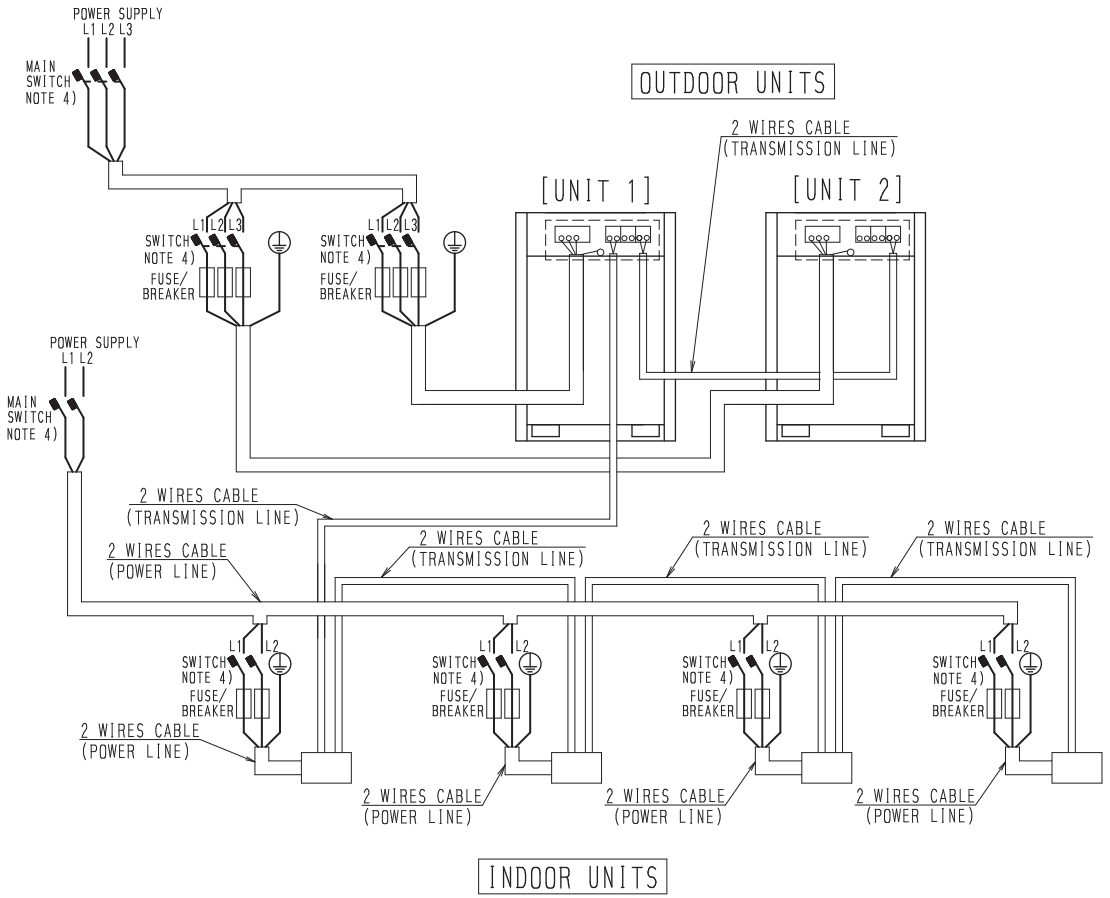
Running the product in reversed phase may break the compressor and other parts.



Note:

1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
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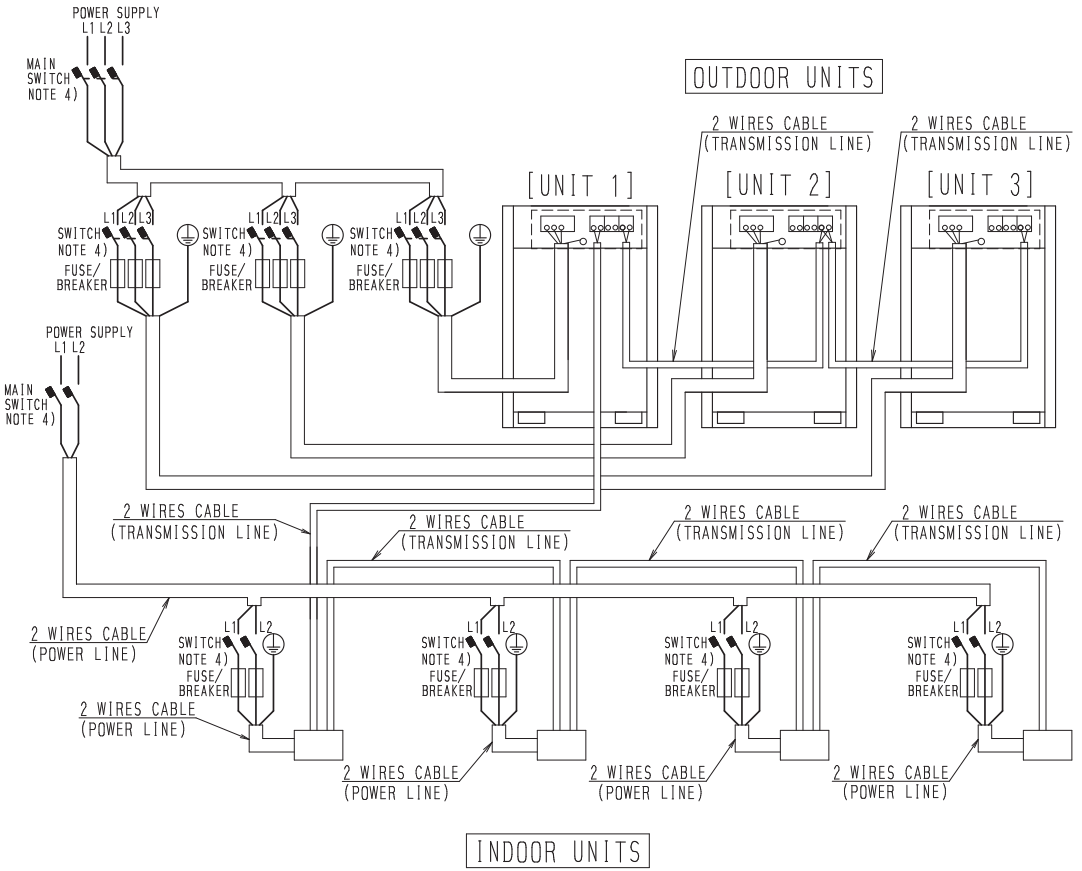
8) Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
9) If there exists the possibility of reversed phase, lost phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally. Running the product in reversed phase may break the compressor and other parts.



C: 3D087056D

15. Electrical Characteristics

RXYQ72-168XATJA

Model name	Units				Power supply		Comp.	OFM		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA	
RXYQ72XATJA	60	208/230	187	253	27.6	35	15.7	0.75	2.7	SCCR kA rms, Symmetrical @600V MAX: 5
RXYQ96XATJA	60	208/230	187	253	36.3	45	23.8	0.35 × 2	1.3 × 2	
RXYQ120XATJA	60	208/230	187	253	36.3	45	26.2	0.35 × 2	1.3 × 2	
RXYQ144XATJA	60	208/230	187	253	55.1	60	16.7 + 16.7	0.75 × 2	2.7 × 2	
RXYQ168XATJA	60	208/230	187	253	55.1	60	18.8 + 18.8	0.75 × 2	2.7 × 2	

RXYQ192-336XATJA

Model name		Units				Power supply		Comp.	OFM	
		Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA
RXYQ192XATJA	RXYQ72XATJA	60	208/230	187	253	27.6 + 36.3	35 + 45	15.7 + 26.2	0.75 + (0.35 × 2)	2.7 + (1.3 × 2)
	RXYQ120XATJA									
RXYQ216XATJA	RXYQ96XATJA	60	208/230	187	253	36.3 + 36.3	45 + 45	23.8 + 26.2	(0.35 × 2) × 2	(1.3 × 2) × 2
	RXYQ120XATJA									
RXYQ240XATJA	RXYQ120XATJA	60	208/230	187	253	36.3 + 36.3	45 + 45	26.2 + 26.2	(0.35 × 2) × 2	(1.3 × 2) × 2
	RXYQ120XATJA									
RXYQ264XATJA	RXYQ120XATJA	60	208/230	187	253	36.3 + 55.1	45 + 60	26.2 + (16.7 + 16.7)	(0.35 × 2) + (0.75 × 2)	(1.3 × 2) + (2.7 × 2)
	RXYQ144XATJA									
RXYQ288XATJA	RXYQ144XATJA	60	208/230	187	253	55.1 + 55.1	60 + 60	(16.7 + 16.7) × 2	(0.75 × 2) × 2	(2.7 × 2) × 2
	RXYQ144XATJA									
RXYQ312XATJA	RXYQ144XATJA	60	208/230	187	253	55.1 + 55.1	60 + 60	(16.7 + 16.7) + (18.8 + 18.8)	(0.75 × 2) × 2	(2.7 × 2) × 2
	RXYQ168XATJA									
RXYQ336XATJA	RXYQ168XATJA	60	208/230	187	253	55.1 + 55.1	60 + 60	(18.8 + 18.8) × 2	(0.75 × 2) × 2	(2.7 × 2) × 2
	RXYQ168XATJA									
RXYQ360XATJA	RXYQ120XATJA	60	208/230	187	253	36.3 + 36.3 + 36.3	45 + 45 + 45	26.2 + 26.2 + 26.2	(0.35 × 2) × 3	(1.3 × 2) × 3
	RXYQ120XATJA									
	RXYQ120XATJA									
RXYQ384XATJA	RXYQ96XATJA	60	208/230	187	253	36.3 + 36.3 + 55.1	45 + 45 + 60	23.8 + 26.2 + (18.8 + 18.8)	(0.35 × 2) × 2 + (0.75 × 2)	(1.3 × 2) × 2 + (2.7 × 2)
	RXYQ120XATJA									
	RXYQ168XATJA									
RXYQ408XATJA	RXYQ96XATJA	60	208/230	187	253	36.3 + 55.1 + 55.1	45 + 60 + 60	23.8 + (16.7 + 16.7) + (18.8 + 18.8)	(0.35 × 2) + (0.75 × 2) × 2	(1.3 × 2) + (2.7 × 2) × 2
	RXYQ144XATJA									
	RXYQ168XATJA									

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-Circuit Current Rating

Note:

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.

C: 4D122650, 4D122651, 4D122652

RXYQ72-168XAYDA

Model name	Units				Power supply		Comp.	OFM		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA	
RXYQ72XAYDA	60	460	416	508	12.3	20	7.1	0.50	0.8	SCCR kA rms, Symmetrical @600V MAX: 5
RXYQ96XAYDA	60	460	416	508	20.6	25	10.2	0.6 × 2	1.0 × 2	
RXYQ120XAYDA	60	460	416	508	20.6	25	11.7	0.6 × 2	1.0 × 2	
RXYQ144XAYDA	60	460	416	508	25.9	35	7.6 + 7.6	0.6 × 2	1.0 × 2	
RXYQ168XAYDA	60	460	416	508	25.9	35	8.5 + 8.5	0.6 × 2	1.0 × 2	

RXYQ192-336XAYDA

Model name		Units				Power supply		Comp.	OFM	
		Hz	Volts	Min.	Max.	MCA	MOP	RLA	kW	FLA
RXYQ192XAYDA	RXYQ72XAYDA	60	460	416	508	12.3 + 20.6	20 + 25	7.1 + 11.7	0.5 + (0.6 × 2)	0.8 + (1.0 × 2)
	RXYQ120XAYDA									
RXYQ216XAYDA	RXYQ96XAYDA	60	460	416	508	20.6 + 20.6	25 + 25	10.2 + 11.7	(0.6 × 2) × 2	(1.0 × 2) × 2
	RXYQ120XAYDA									
RXYQ240XAYDA	RXYQ120XAYDA	60	460	416	508	20.6 + 20.6	25 + 25	11.7 + 11.7	(0.6 × 2) × 2	(1.0 × 2) × 2
	RXYQ120XAYDA									
RXYQ264XAYDA	RXYQ120XAYDA	60	460	416	508	20.6 + 25.9	25 + 35	11.7 + (7.6 + 7.6)	(0.6 × 2) × 2	(1.0 × 2) × 2
	RXYQ144XAYDA									
RXYQ288XAYDA	RXYQ144XAYDA	60	460	416	508	25.9 + 25.9	35 + 35	(7.6 + 7.6) × 2	(0.6 × 2) × 2	(1.0 × 2) × 2
	RXYQ144XAYDA									
RXYQ312XAYDA	RXYQ144XAYDA	60	460	416	508	25.9 + 25.9	35 + 35	(7.6 + 7.6) + (8.5 + 8.5)	(0.6 × 2) × 2	(1.0 × 2) × 2
	RXYQ168XAYDA									
RXYQ336XAYDA	RXYQ168XAYDA	60	460	416	508	25.9 + 25.9	35 + 35	(8.5 + 8.5) × 2	(0.6 × 2) × 2	(1.0 × 2) × 2
	RXYQ168XAYDA									
RXYQ360XAYDA	RXYQ120XAYDA	60	460	416	508	20.6 + 20.6 + 20.6	25 + 25 + 25	11.7 + 11.7 + 11.7	(0.6 × 2) × 3	(1.0 × 2) × 3
	RXYQ120XAYDA									
	RXYQ120XAYDA									
RXYQ384XAYDA	RXYQ96XAYDA	60	460	416	508	20.6 + 20.6 + 25.9	25 + 25 + 35	10.2 + 11.7 + (8.5 + 8.5)	(0.6 × 2) × 3	(1.0 × 2) × 3
	RXYQ120XAYDA									
	RXYQ168XAYDA									
RXYQ408XAYDA	RXYQ96XAYDA	60	460	416	508	20.6 + 25.9 + 25.9	25 + 35 + 35	10.2 + (7.6 + 7.6) + (8.5 + 8.5)	(0.6 × 2) × 3	(1.0 × 2) × 3
	RXYQ144XAYDA									
	RXYQ168XAYDA									

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-Circuit Current Rating

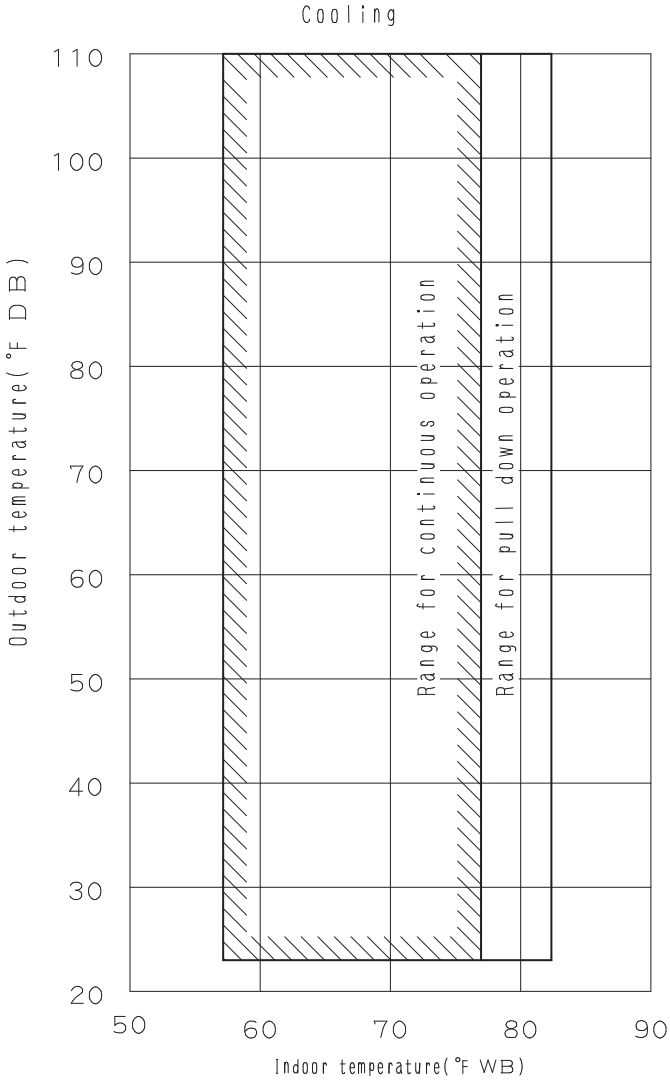
Note:

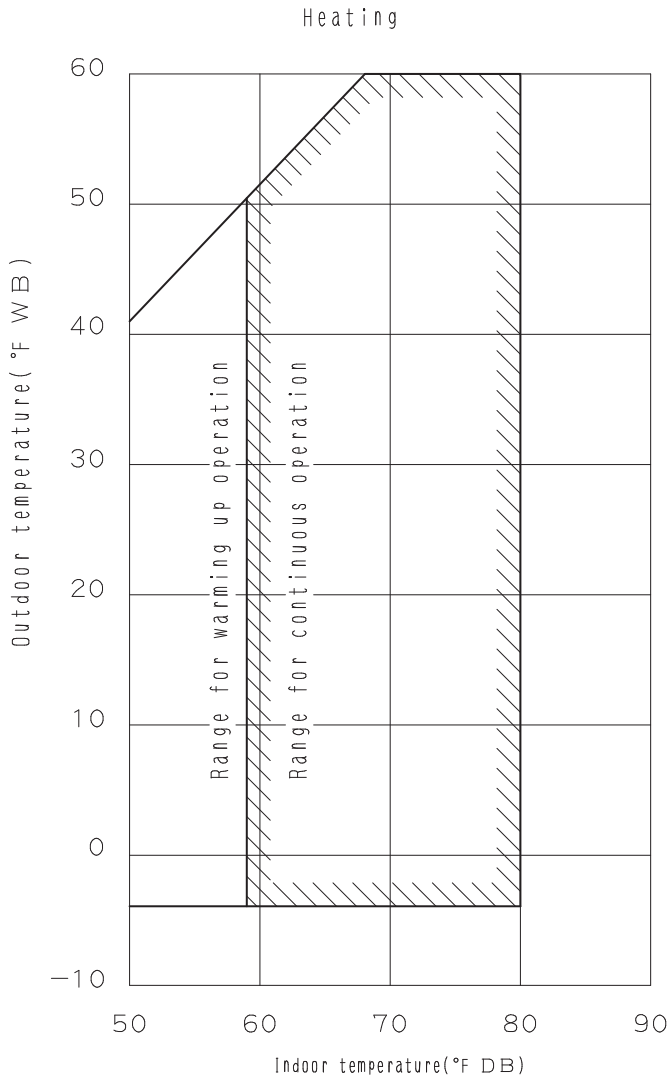
1. RLA is based on the following conditions.
   Indoor temp. 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)
   Outdoor temp. 95°FDB (35.0°CDB)
2. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
3. The maximum percent unbalance of phase voltage shall be 2%.
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.

C: 4D122653, 4D122654, 4D122655

16.Operation Limits

RXYQ72-408XATJA / XAYDA

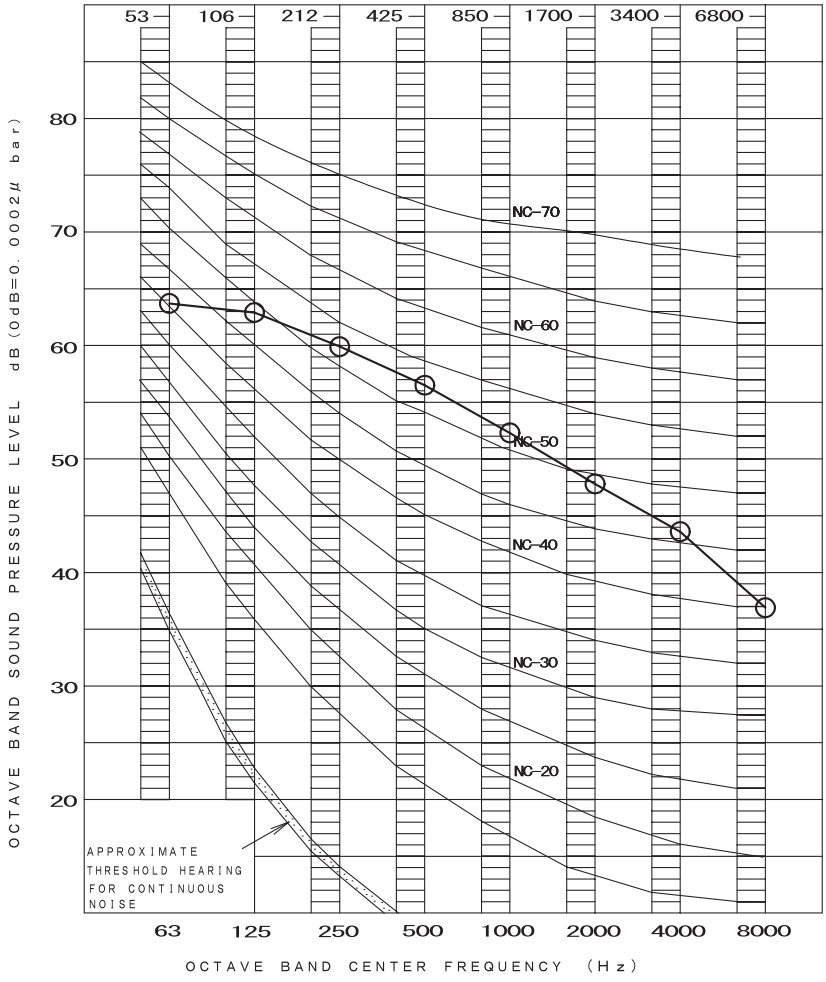




3D085476C

17.Sound Levels (Reference Data)

RXYQ72XATJA / XAYDA



OVER ALL (dB)

SCALE	60Hz
A	58

(B.G.N IS ALREADY RECTIFIED)

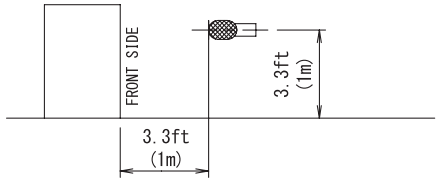
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER (CONVERSION VALUE)

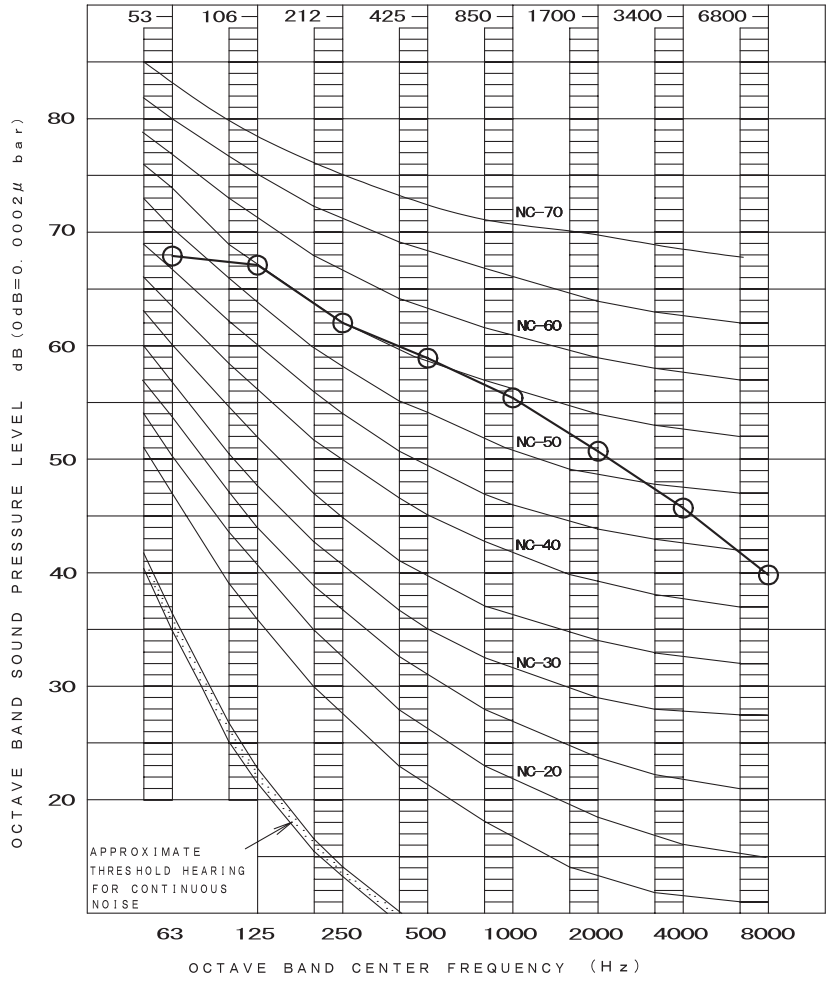
LOCATION OF MICROPHONE



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.

4D088142B

RXYQ96-120XATJA / XAYDA



OVER ALL (dB)

SCALE	60Hz
A	61

(B.G.N IS ALREADY RECTIFIED)

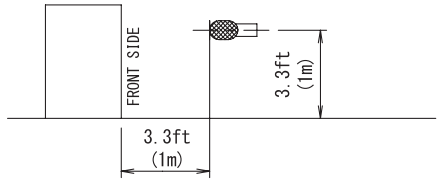
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER (CONVERSION VALUE)

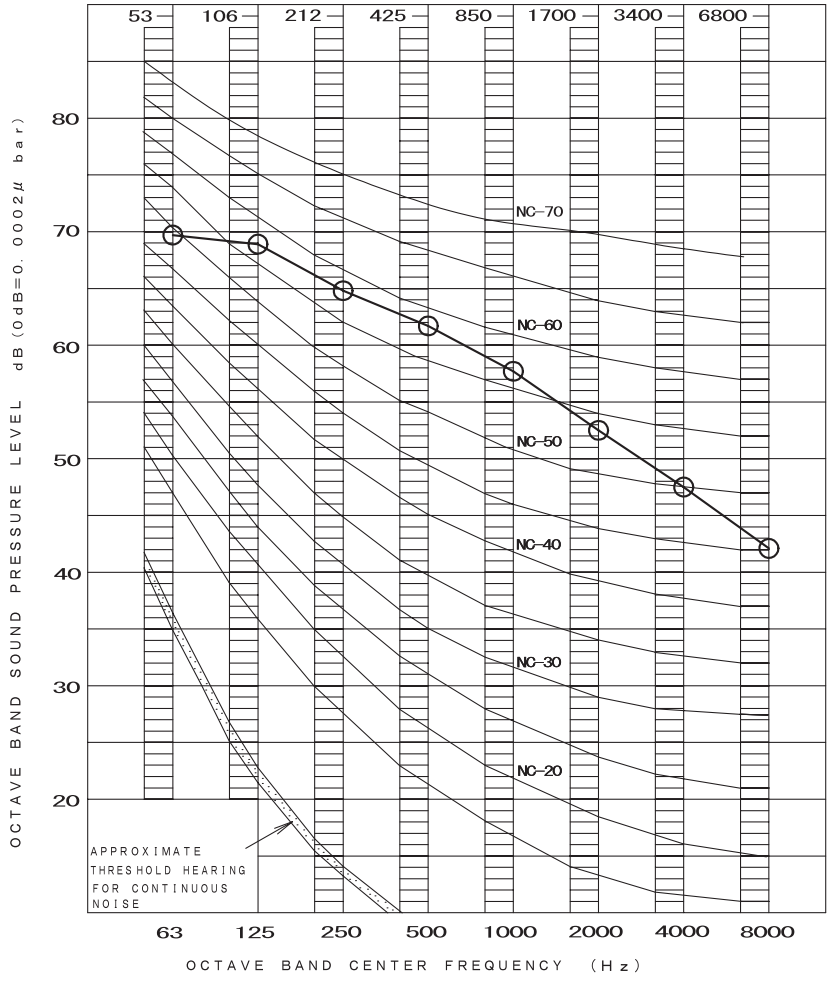
LOCATION OF MICROPHONE



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.

4D088143B

RXYQ144XATJA / XAYDA



OVER ALL (dB)

SCALE	60Hz
A	64

(B.G.N IS ALREADY RECTIFIED)

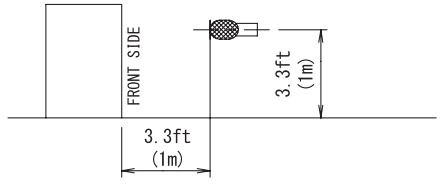
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER (CONVERSION VALUE)

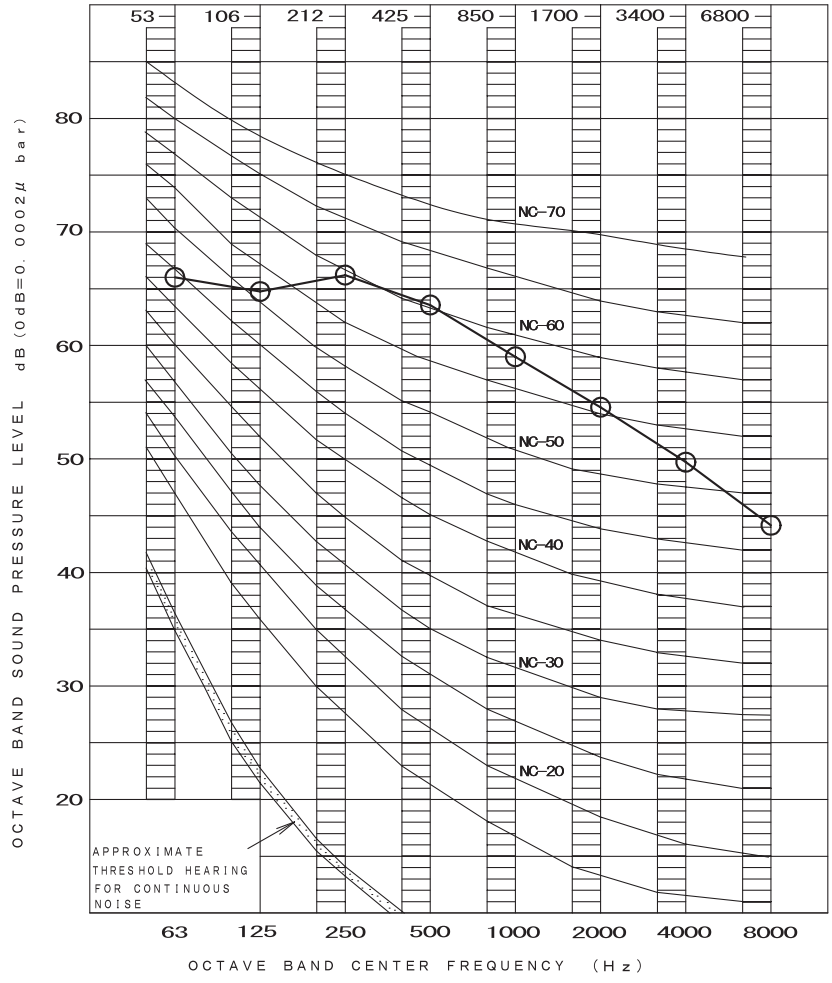
LOCATION OF MICROPHONE



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.

4D088144B

RXYQ168XATJA / XAYDA



OVER ALL (dB)

SCALE	60Hz
A	65

(B.G.N IS ALREADY RECTIFIED)

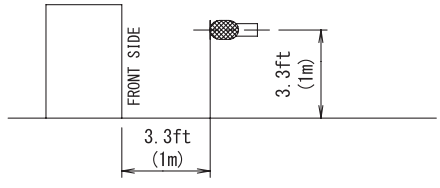
OPERATING CONDITIONS

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.

4D088145B

18.Accessories

18.1 Optional Accessories

RXYQ72-408XATJA / XAYDA

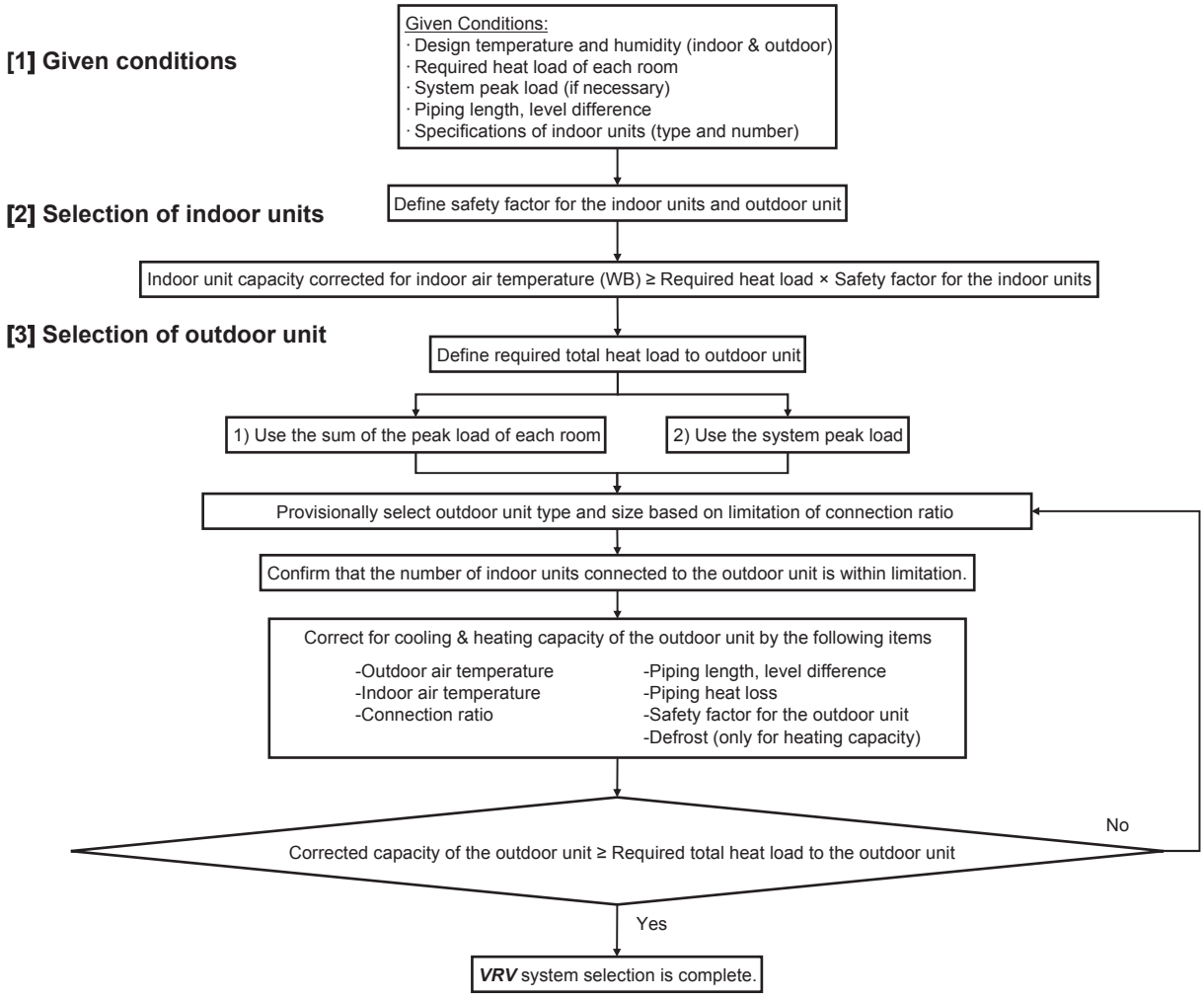
Optional accessories		RXYQ72-96XATJA RXYQ72-96XAYDA	RXYQ120-168XATJA RXYQ120-168XAYDA	RXYQ192-336XATJA RXYQ192-336XAYDA	RXYQ360-408XATJA RXYQ360-408XAYDA
Distributive piping	REFNET header	(Max. 4 branch) KHRP26M22H9 KHRP26M22HA (Max. 8 branch) KHRP26M33H9 KHRP26M33HA	(Max. 4 branch) KHRP26M22H9 KHRP26M22HA (Max. 8 branch) KHRP26M33H9 KHRP26M33HA KHRP26M72H9 KHRP26M72HA	(Max. 4 branch) KHRP26M22H9 KHRP26M22HA (Max. 8 branch) KHRP26M33H9 KHRP26M33HA KHRP26M72H9 KHRP26M72HA KHRP26M73HU9 KHRP26M73HUA	
	REFNET joint	KHRP26A22T9 KHRP26A22TA KHRP26A33T9 KHRP26A33TA	KHRP26A22T9 KHRP26A22TA KHRP26A33T9 KHRP26A33TA KHRP26M72TU9 KHRP26M72TUA	KHRP26A22T9 KHRP26A33T9 KHRP26M72TU9 KHRP26M73TU9	KHRP26A22TA KHRP26A33TA KHRP26M72TUA KHRP26M73TUA
Outdoor unit multi connection piping kit		—		BHFP22P100U BHFP22P100UA	BHFP22P151U BHFP22P151UA

C: 3D087057E

19.Selection Procedure

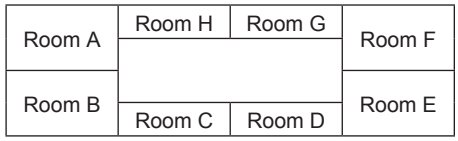
19.1 Selection Procedure

19.1.1 Flowchart



19.1.2 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

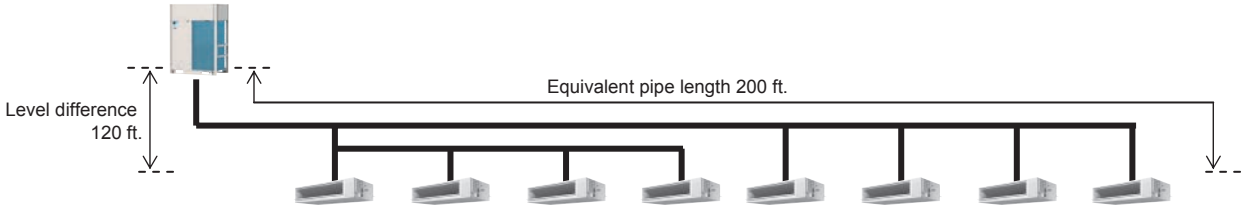
-Determine peak load of each room (and system peak load if necessary)

-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-PB 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 (Te: 43°F (6°C))											
	61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
FXMQ07PBVJU	5.9	5.7	6.7	6.1	7.5	6.4	7.6	6.7	7.8	6.1	7.9	6.0
FXMQ09PBVJU	7.5	6.9	8.5	7.3	9.5	7.8	9.7	8.1	9.8	7.1	10.0	7.2
FXMQ12PBVJU	9.5	8.5	10.7	9.1	12.0	9.7	12.2	10.0	12.4	9.2	12.6	9.2
FXMQ15PBVJU	11.8	10.8	13.4	11.3	15.0	12.0	15.3	12.2	15.5	12.2	15.8	10.1
FXMQ18PBVJU	14.2	13.9	16.1	14.7	18.0	15.6	18.4	16.1	18.6	14.6	18.9	12.1
FXMQ24PBVJU	19.0	16.5	21.5	17.7	24.0	18.8	24.5	19.2	24.8	17.9	25.3	20.1
FXMQ30PBVJU	23.7	20.8	26.8	22.3	30.0	23.8	30.6	24.4	31.0	22.5	31.6	22.5
FXMQ36PBVJU	28.4	25.0	32.2	26.9	36.0	28.8	36.7	30.0	37.2	27.7	37.9	27.7
FXMQ48PBVJU	37.9	31.3	43.0	33.6	48.0	35.8	49.0	36.9	49.6	34.7	50.5	33.2
FXMQ54PBVJU	42.6	35.2	48.3	37.8	54.0	40.3	55.1	41.5	55.8	39.0	56.8	37.4

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	FXMQ48PBVJU	FXMQ48PBVJU	FXMQ18PBVJU	FXMQ18PBVJU	FXMQ36PBVJU	FXMQ36PBVJU	FXMQ15PBVJU	FXMQ15PBVJU
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 FXMQ15PBVJU = 15

CI of FXMQ18PBVJU = 18

CI of FXMQ36PBVJU = 36

CI of FXMQ48PBVJU = 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	
Ceiling mounted duct type (Middle and high static pressure)	FXMQ	—	07PB	09PB	12PB	15PB	18PB	—	24PB	30PB	36PB	—	48PB	54PB	—	—	—	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-XA shall be between 50% and 130%.

As the total CI of the indoor units is 234, outdoor units from 16 ton to 32 ton are connectable.

Start from 16 ton which is the smallest outdoor unit.

Type	Ton	Capacity index	Model name	Combination	Outdoor unit multi connection piping kit *1	Total capacity index of connectable indoor units *2	Maximum number of connectable indoor units
Single outdoor units	6	72	RXYQ72XA	RXYQ72XA	—	36 to 93 (144)	12
	8	96	RXYQ96XA	RXYQ96XA		48 to 124 (192)	16
	10	120	RXYQ120XA	RXYQ120XA		60 to 156 (240)	20
	12	144	RXYQ144XA	RXYQ144XA		72 to 187 (288)	25
	14	168	RXYQ168XA	RXYQ168XA		84 to 218 (336)	29
Double outdoor units	16	192	RXYQ192XA	RXYQ72XA+ RXYQ120XA	BHFP22P100U BHFP22P100UA	96 to 249 (307)	33
	18	216	RXYQ216XA	RXYQ96XA+ RXYQ120XA		108 to 280 (346)	37
	20	240	RXYQ240XA	RXYQ120XA+ RXYQ120XA		120 to 312 (384)	41
	22	264	RXYQ264XA	RXYQ120XA+ RXYQ144XA		132 to 343 (422)	45
	24	288	RXYQ288XA	RXYQ144XA+ RXYQ144XA		144 to 374 (461)	49
	26	312	RXYQ312XA	RXYQ144XA+ RXYQ168XA		156 to 405 (499)	54
	28	336	RXYQ336XA	RXYQ168XA+ RXYQ168XA		168 to 436 (538)	58
Triple outdoor units	30	360	RXYQ360XA	RXYQ120XA+ RXYQ120XA+ RXYQ120XA	BHFP22P151U BHFP22P151UA	180 to 468 (468)	62
	32	384	RXYQ384XA	RXYQ96XA+ RXYQ120XA+ RXYQ168XA		192 to 499 (499)	64
	34	408	RXYQ408XA	RXYQ96XA+ RXYQ144XA+ RXYQ168XA		204 to 530 (530)	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 combination ratio of the system.

Total CI = 234, CI of RXYQ192XATJA / XAYDA = 192

Combination 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 combination ratio.

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

RXYQ192XATJA / XAYDA Cooling Capacity for Standard Condition (Te: 43°F)

Combi-nation	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
	23	146	5.51	188	7.25	219	8.64	250	10.1	271	10.8	275	10.6	281	10.2
	30	146	5.68	188	7.49	219	8.92	250	10.4	265	10.7	269	10.5	275	10.1
	40	146	5.95	188	7.85	219	9.37	250	10.9	256	10.6	260	10.3	266	9.90
	50	146	6.24	188	8.26	219	9.85	242	10.8	248	10.4	251	10.1	257	9.70
	54	146	6.36	188	8.43	219	10.1	238	10.8	244	10.4	248	10.1	254	10.0
	58	146	6.49	188	8.61	219	10.3	235	10.7	241	10.5	245	10.6	250	10.6
	62	146	6.63	188	8.80	219	10.5	231	11.0	237	11.1	241	11.2	247	11.3
	66	146	6.77	188	8.99	219	11.2	228	11.6	234	11.7	238	11.8	243	11.9
	70	146	6.92	188	9.67	219	12.1	224	12.2	230	12.4	234	12.4	240	12.6
	72	146	7.09	188	10.0	217	12.4	223	12.6	229	12.7	232	12.8	238	12.9
	75	146	7.50	188	10.6	214	12.9	220	13.0	226	13.1	230	13.2	236	13.4
(130)	79	146	8.06	188	11.5	211	13.5	217	13.6	222	13.8	226	13.9	232	14.0
	83	146	8.66	188	12.3	207	14.1	213	14.3	219	14.4	223	14.5	229	14.7
	87	146	9.29	188	13.3	204	14.7	210	14.9	216	15.1	219	15.2	225	15.3
	91	146	9.96	188	14.3	200	15.4	206	15.5	212	15.7	216	15.8	219	15.9
	(93)	146	10.3	188	14.8	199	15.7	(205)	15.8	210	16.0	214	16.1	215	16.1
	95	146	10.7	188	15.3	197	16.0	203	16.2	209	16.3	210	16.4	210	16.4
	99	146	11.4	188	16.4	194	16.6	199	16.8	202	16.9	202	16.9	202	16.9
	103	146	12.2	184	17.1	190	17.3	193	17.4	193	17.4	193	17.4	193	17.4
	106	146	13.0	182	17.8	187	17.9	187	18.0	187	18.0	187	18.0	187	18.0
	110	146	14.2	178	18.8	178	18.8	178	18.8	178	18.8	178	18.8	178	18.8
	115	146	15.8	154	18.9	154	19.0	155	19.0	155	19.0	155	19.0	155	19.0
	118	133	16.0	134	16.0	134	16.0	134	16.1	135	16.1	135	16.1	135	16.1
	122	107	12.1	107	12.2	107	12.2	108	12.2	108	12.2	108	12.2	108	12.3
	23	135	5.07	173	6.63	202	7.88	230	9.18	259	10.5	271	10.9	276	10.5
	30	135	5.22	173	6.84	202	8.14	230	9.48	259	10.9	264	10.8	270	10.4
	40	135	5.45	173	7.17	202	8.54	230	9.95	252	10.9	256	10.6	261	10.2
	50	135	5.71	173	7.53	202	8.98	230	10.5	244	10.7	247	10.5	252	10.1
	54	135	5.83	173	7.69	202	9.17	230	10.7	240	10.7	244	10.4	249	9.98
	58	135	5.94	173	7.85	202	9.36	230	10.9	237	10.6	240	10.5	246	10.6
	62	135	6.07	173	8.02	202	9.57	228	10.9	233	11.0	237	11.1	242	11.2
	66	135	6.19	173	8.20	202	9.94	224	11.6	230	11.7	233	11.7	239	11.8
	70	135	6.33	173	8.62	202	10.8	221	12.2	226	12.3	230	12.4	235	12.5
	72	135	6.40	173	8.95	202	11.2	219	12.5	224	12.6	228	12.7	233	12.8
	75	135	6.74	173	9.47	202	11.8	217	12.9	222	13.1	225	13.1	231	13.3
(120)	79	135	7.24	173	10.2	202	12.8	213	13.6	218	13.7	222	13.8	227	13.9
	83	135	7.77	173	11.0	202	13.8	210	14.2	215	14.3	219	14.4	224	14.5
	87	135	8.33	173	11.8	201	14.7	206	14.8	211	14.9	215	15.0	220	15.2
	91	135	8.92	173	12.7	197	15.3	203	15.4	208	15.6	212	15.7	217	15.8
	(93)	135	9.23	173	13.1	196	15.5	(201)	15.7	206	15.9	210	16.0	215	16.1
	95	135	9.55	173	13.6	194	15.9	199	16.1	205	16.2	208	16.3	210	16.4
	99	135	10.2	173	14.6	190	16.5	196	16.7	201	16.9	202	16.9	202	16.9
	103	135	10.9	173	15.6	187	17.1	192	17.3	193	17.4	193	17.4	193	17.4
	106	135	11.7	173	16.7	184	17.9	187	18.0	187	18.0	187	18.0	187	18.0
	110	135	12.7	173	18.2	178	18.8	178	18.8	178	18.8	178	18.8	178	18.8
	115	135	14.1	154	18.9	154	19.0	155	19.0	155	19.0	155	19.0	155	19.0
	118	133	16.0	134	16.0	134	16.0	134	16.1	135	16.1	135	16.1	135	16.1
	122	107	12.1	107	12.2	107	12.2	108	12.2	108	12.2	108	12.2	108	12.3

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) = 0.924

1.Rate of change of cooling capacity

200

0.898

120

	Vertical pipe length (ft.)	Equivalent Length (ft.)																		
		25	66	98	131	164	197	230	262	295	328	361	394	427	460	493	526	559	592	623
Indoor Lower than Outdoor	295	-	-	-	-	-	-	-	-	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78	0.77
	262	-	-	-	-	-	-	-	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78	0.77
	230	-	-	-	-	-	-	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78	0.77
	197	-	-	-	-	-	0.90	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78	0.77
	164	-	-	-	-	0.91	0.90	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78	0.77
	131	-	-	-	0.93	0.91	0.90	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78	0.77
	98	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78	0.78
	66	-	0.97	0.95	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78	0.78
	25	1.00	0.97	0.95	0.94	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.82	0.81	0.81	0.80	0.79	0.78	0.78	0.78
FL±	0	1.00	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78
Indoor Higher than Outdoor	25	1.00	0.98	0.96	0.94	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78
	66	-	0.98	0.96	0.94	0.92	0.91	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78
	98	-	-	0.96	0.94	0.92	0.91	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78
	131	-	-	-	0.94	0.93	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78
	164	-	-	-	-	0.93	0.91	0.90	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.78
	197	-	-	-	-	-	0.91	0.90	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78
	230	-	-	-	-	-	-	0.90	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78
	262	-	-	-	-	-	-	-	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78
	295	-	-	-	-	-	-	-	-	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.78

-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 = $0.072^{*2} + (0.098^{*1} - 0.072^{*2}) \times (93^{*3} - 86^{*4}) / (95^{*5} - 86^{*4}) = 0.0922$

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 RXYQ192XATJA / XAYDA (C) by using (K1) and (K2).
Corrected capacity of RXYQ192XATJA / XAYDA (C) = (B) × (K1) / (K2) (add defrost correction factor for heating capacity)
Therefore (C) = 201.8 × 0.8973 / 1.161 = 155.97 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, 155.97 MBH (C) < 173.0 MBH (A), so need to select a larger outdoor unit.

The capacity of RXYQ216XATJA / XAYDA at the same condition is 169.08 MBH, which is less than the heat load (A): 173.0 MBH.
So need to select a larger outdoor unit.

The capacity of RXYQ240XATJA / XAYDA at the same condition is 188.57 MBH, which is more than the heat load (A): 173.0 MBH.
So the selection is complete.

20. Caution Label

20.1 RXYQ72XATJA / XAYDA

Operation Name Plate

Service Precautions

(Touch the noncoated metal part to eliminate static electricity before performing service (e. g. the control box cover).)

After finish service, make sure to close the control box cover. (Water soaking and foreign object may cause failure.)

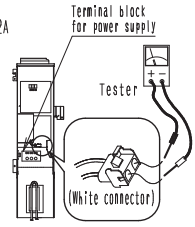
CAUTION when performing service inside the control box

1. Make sure to turn off power supply before remove the control box cover. (Touching electric parts may cause electric shock.)
2. Do not open the control 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, measure the points shown on the right figure with a tester and confirm that the voltage of the capacitor in the main circuit is less than DC50V.
4. To prevent a damage of the printed circuit boards touch the noncoated metal part and make sure to eliminate static electricity before pulling out or plugging in the connector.

continue

⚠WARNING ⚠Caution for electric shock

5. The work must be started after pulling out the junction connector X1A and X2A for the fan motor in the outdoor unit and be careful not to touch the energized 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 control box cover.
   - Otherwise, malfunction code "E7" will be displayed on 7 segment display of outdoor unit printed circuit board(A1P) and in the remote controller due to wrong connection, and normal operation will not be performed.



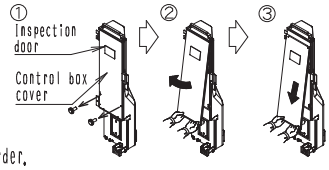
CAUTION for removing and installing the control box cover

[Method of removal]

①Remove the 2 screws fixing the cover.
②Pull the cover forward.
③Slide the cover downward until the upper tip appears.

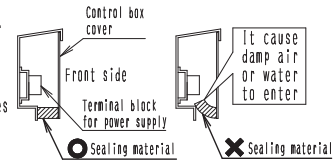
[Method of installation]

For installing the cover, follow the [Method of removal] in the reverse order.



[CAUTION]

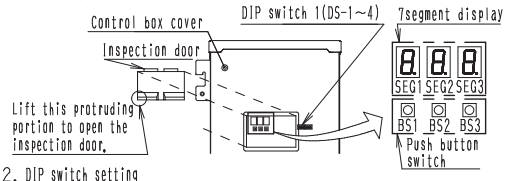
- Do not remove the cover by force. If the cover is deformed, water may enter inside, which may cause failure.
- Install the cover so that the sealing material labeled on the lower part on its back side does not get caught in the control box inside. (See the right figure)



Field setting

If required, carry out the field setting according to the following instructions. For details, see the service manual.

1. How to operate
   - When setting the DIP switch, make sure to turn off the power supply and open the control box cover.
   - For operating the push button switch, open the inspection door as shown in the below 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. DIP switch setting

No.	Setting item	Setting value
DS1-1	Cool/Heat switching setting (Note)	ON (when connecting COOL/HEAT selector) OFF (factory setting)
DS1-2~4		Not change from factory setting (OFF)

(Note) COOL/HEAT selector (optional accessory) installing in the outdoor unit is enable to switch operation mode (cooling/heating). For details of COOL/HEAT selector installation method, see its installation manual.

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

●Function of the push switch

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

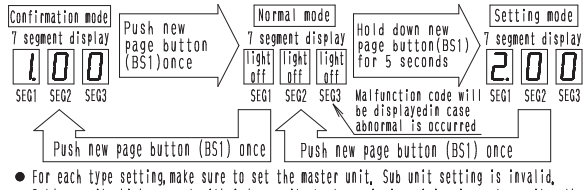
●Normal Mode, Setting Mode, Confirmation mode change method

Push new page button(BS1). It can switch confirmation mode, normal mode and setting mode.

Setting mode can use for setting Ⓐ~Ⓗ as shown in right table.
Confirmation mode can use for confirmation of Ⓙ・Ⓚ items as shown in right table.

(Note) About other settings and malfunction code, see the service manual.

continue



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

- For each type setting, make sure to set the 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.

			7 Segment display SEG1	SEG2	SEG3
(1)	In Normal mode push new page button (BS1) and change to Confirmation mode. Confirm 7 segment display show right description.		1	0	0
(2)	Push confirmation button(BS3) and confirm the unit maste or sub (see right)	Master unit	light off	light off	0
		Sub unit 1	light off	light off	1
		Sub unit 2	light off	light off	2

Set Setting mode or Confirmation mode first, then perform procedure below.

Setting procedure

① Push operation button (BS2) and adjust the 7 segment display to require mode shown in right.
(✱1)
For selecting low noise operation or demand operation from outside, or performing cool/heat setting by cool/heat central remote control, external control adapter for outdoor unit (optional accessory) is required.
For details, see the instruction attached to the adapter.

Details of setting	7 Segment display SEG1	SEG2	SEG3
Ⓐ Cool/Heat selection setting (✱1)	2	0	0
Ⓑ Additional refrigerant charge operation setting	2	2	0
Ⓒ Refrigerant recovery operation/Evacuation mode setting.	2	2	1
Ⓓ Night time low noise setting	2	2	2
Ⓔ External low noise level setting(✱1)	2	2	5
Ⓕ Demand level setting(✱1)	2	3	0
Ⓖ External low noise demand setting (✱1)	2	1	2
Ⓗ High static pressure setting	2	1	8

② Push confirmation button (BS3). (The present setting is indicated) — Either of ③

③ Push operation button (BS2) and adjust the 7 segment display to required mode shown in right.
(✱2) Setting level efficiency

For Ⓓ and Ⓔ	Setting value	level 1 ~ level 3
	Noise value	⟶ low noise
For Ⓕ	Setting value	level 1 ~ level 8
	Power consumption	less power ⟵

For details, see the service manual.

	Details of setting	7 Segment display SEG1	SEG2	SEG3
For Ⓐ	For perform individual cool/heat switching	light off	light off	0
	For cool/heat switching by master unit	light off	light off	1
	For cool/heat switching by sub unit	light off	light off	2
For ⒷⒸ ⒼⒽ	ON	light off	light off	1
	OFF (Factory setting)	light off	light off	0
For Ⓓ (✱2)	OFF (Factory setting)	light off	light off	0
	level A(✱3) (✱3) A is a number of 1~3	light off	light off	A(✱3)
For Ⓔ (✱2)	level A(✱3) (✱3) A is a number of 1~3 (Factory setting :2)	light off	light off	A(✱3)
For Ⓕ (✱2)	level B(✱4) (✱4) B is number of 1~8 (Factory setting :3)	light off	light off	B(✱3)

④ Push confirmation button(BS3). — The setting in ③ is defined — It 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). — The system 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 the example shown on the right according to the required mode.

Ⓙ Low noise operation	1	0	1
Ⓚ Demand operation	1	0	2

② Push confirmation button (BS3) (The present setting will be indicate)

During setting operation	light off	light off	1
During normal operation.	light off	light off	0

2P361359-1C

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 connected 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 malfunction code "U3" will be displayed in the remote controller and normal operation can not be carried out.
- 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 control" 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 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 or 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.

7 segment indication	
E01→E10	
When start	When finish

Result	7 segment display
Normaly finished	Light off
Abnormaly finished	malfunction code

【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))
② In the state of unit stopped, set to Normal mode.
③ Push the operation button (BS2) for 5 second or more. (Then the unit will start the check operation)
④ Close the front panel. (Otherwise, it may cause a wrong judgment)
⑤ 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 when abnormaly finished】

① Confirm the malfunction 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 confirmation button (BS3) and reset the malfunction code.
③ Carry out the check operation again and confirm that the abnormality is properly corrected.

Additional refrigerant charge operation

- When the outdoor unit is stopped and the entire quantity of refrigerant can not be charged, make sure to charge the remaining quantity of refrigerant using this procedure. If the refrigerant quantity is insufficient, the unit may malfunction.

Setting procedure

① Connect the refrigerant charge hose and valve to the stop valve service port on the gas side.
② Make sure to completely open the stop valve on the gas side and the liquid side.
③ Turn ON the power of the indoor units and the outdoor unit. To protect the compressor, make sure to turn on the power supply for 6 hours before starting operation.
④ In the state of unit stopped, turn on the additional refrigerant charging operation by Setting mode, and open refrigerant cylinder valve. About valve pulse, make sure to adjust refrigerant charging speed as 2.2 lb/minute.
- The operation is automatically started, 7 segment display will be changed 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 display (as shown in right(down)), however, operation can be carried out continuously.

Test operation・Under centralized control 7 segment display	
E01→E05	
When start	When finish

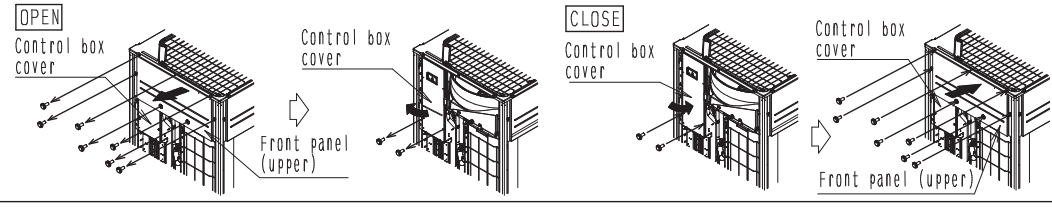
(Example) 7 segment display
0.17 MPa ⇒ 017

⑤ After charging the specified quantity of refrigerant, close refrigerant cylinder valve, push confirmation button(BS3).
- The operation will be stopped. The operation is automatically stopped within 30 minutes. If charging is not completed, set and perform the additional refrigerant charring operation again.
- If the additional refrigerant charging operation is stopped soon, the refrigerant may be overcharged, stop additional charging and make sure to confirm charged amount again.

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) form mixing into.
- Carry out a nitrogen blow when brazing.
- Perform the air tightness and the vacuum during certainly. (The air tightness test pressure:550 psi, make sure to use nitrogen gas.)
- Charge the additional refrigerant in liquid state.

Make sure to remove the front panel (upper) befor open or close the control box cover.



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 In the state of unit stopped and under the Setting mode, set the © refrigerant recovery/evacuation mode. (✽)
② Evacuate the system with a vaccuum pump.
③ Push confirmation 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 right 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)

① When the unit is at standstill and under the Setting mode, set the © refrigerant recovery/evacuation mode. (✽)
② Recovery the refrigerant by a refrigerant reclaimer. (For details, see the manual attached in refrigerant reclaimer.)
③ After completed, push confirmation button (BS3) and reset the refrigerant recovery mode.
④ Push new page button (BS1) and reset Setting mode.

7 Segment display E01

⚠DANGER 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!

DÉCONNECTER TOUTES LES ALIMENTATIONS ÉLECTRIQUES ÉLOIGNÉES AVANT D'INSTALLER OU DE REPARER CET APPAREIL.

Le non respect de cette recommandation peut entraîner des blessures graves ou la mort.
Seul un technicien de service qualifié peut installer ou réparer cet appareil.

2P361359-1C

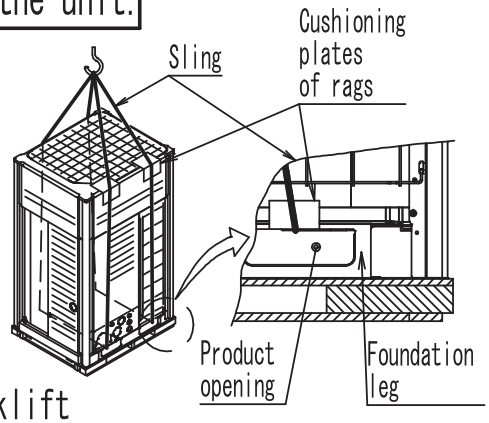
Collective Indications Label

R410A

For those who install or move the unit.

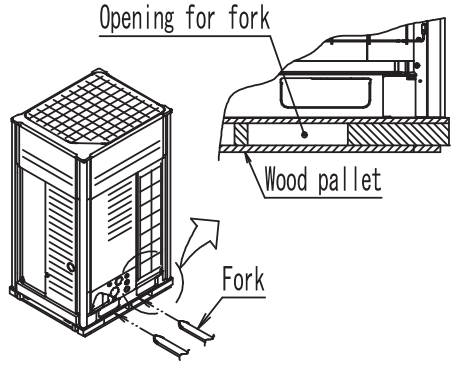
1. When lifting the unit

- To hang unit, use 2 slings of at least 27 ft. long. Put the belt slings into the product openings of foundation legs.
- Put cushioning plates of rags where the slings contact the casing in order to prevent the casing from being damaged.



2. When carrying the unit by forklift

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



3. Electrical work

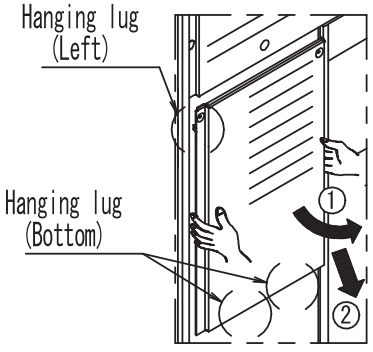
- To prevent electric shock and fire accident, be sure to perform grounding and install an earth leak breaker.
- Electrical work must be carried out by a licensed electrician in accordance with local and national regulations.
- Confirm the insulation of main power supply circuit before opening the stop valve. If stop valve remains open without turn on the power supply, insulation resistance may decline due to refrigerant accumulating in compressor.

3P571722-1

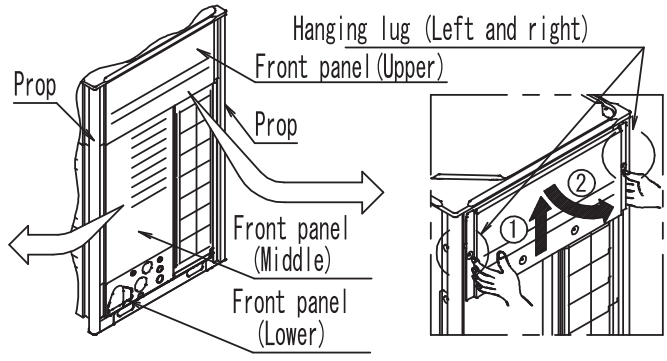
For those who carry out service and maintenance.

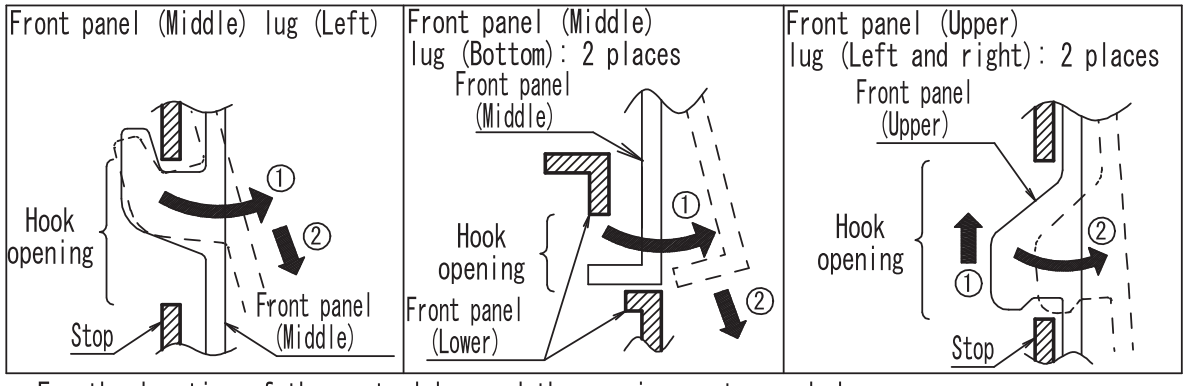
⚠ WARNING	・Beware of the fan rotating while inspection.
Caution for electric shock	・Do not touch the energized parts while inspection.

〈Front panel (Middle) removing method〉
・Pull the front panel (middle) forward to take a hanging lug (bottom) off (①). Remove the panel downward (②).

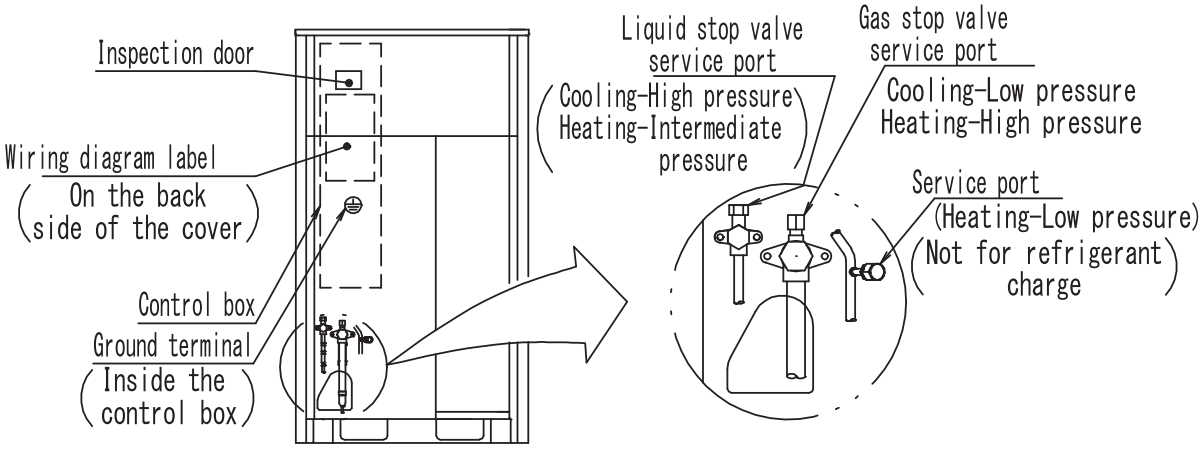


〈Front panel (Upper) removing method〉
・Lift up the panel a little and take a hanging lug off (①). Remove the panel forward (②).





・For the location of the control box and the service port, see below.



3P571722-1

20.2 RXYQ96-168XATJA / XAYDA

Operation Name Plate

Service Precautions (1/2)

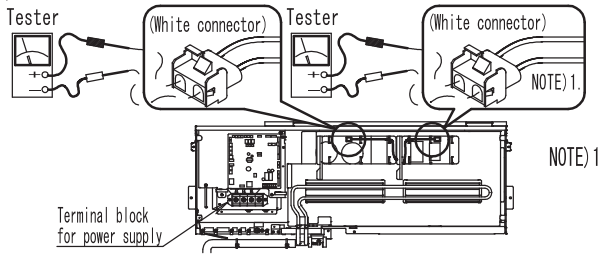
(Touch the noncoated metal part to eliminate static electricity before performing service (e.g. the control box cover).)

CAUTION when performing service inside the control box

⚠ WARNING | ⚠ Caution for electric shock

1. Make sure to turn off power supply before remove the control box cover. (Touching electric parts may cause electric shock.)
2. Do not open the control 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, measure the points shown below with a tester and confirm that the voltage of the capacitor in the main circuit is less than DC 50V.
4. To prevent a damage of the printed circuit boards, touch the noncoated 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・X3A ・X4A for the fan motor in the outdoor unit and be careful not to touch the energized 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 label on the back of the control box cover.
・Otherwise, malfunction code "E7" will be displayed on 7 segment display of outdoor unit printed circuit board (A1P) and in the remote controller due to wrong connection, and normal operation will not be performed.)

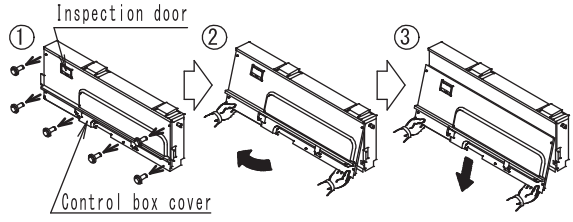


NOTE)1. In case of RXYQ96・120 models, this does not exist.

CAUTION for removing and installing the control box cover

[Method of removal]

①Remove the 6 screws fixing the cover.
②Pull the cover forward.
③Slide the cover downward until the upper tip appeares.



[Method of installation]

For installing the cover, follow the [Method of removal] in the reverse order.

[CAUTION]

- Do not remove the cover by force, if the cover is deformed, water may enter inside, which may cause failure.

⚠ After finish service, make sure to close the control box cover. (Water soaking or foreign object may cause failure.)

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 brazing.
- Perform the air tightness and the vacuum drying certainly. (The air tightness test pressure:550 psi, make sure to use nitrogen gas.)
- Charge the additional refrigerant in liquid state.

CAUTION while check operation

- Make sure to turn on the power supply of all connected units (indoor・outdoor) before operation.
- The operation must be performed with the all outer panels closed. Otherwise, the operation will be malfunction, and the system cannot be checked properly.

⚠ DANGER

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!

DÉCONNECTER TOUTES LES ALIMENTATIONS ÉLECTRIQUES ÉLOIGNÉES AVANT D'INSTALLER OU DE REPARER CET APPAREIL.

Le non respect de cette recommandation peut entraîner des blessures graves ou la mort.
Seul un technicien de service qualifié peut installer ou réparer cet appareil.

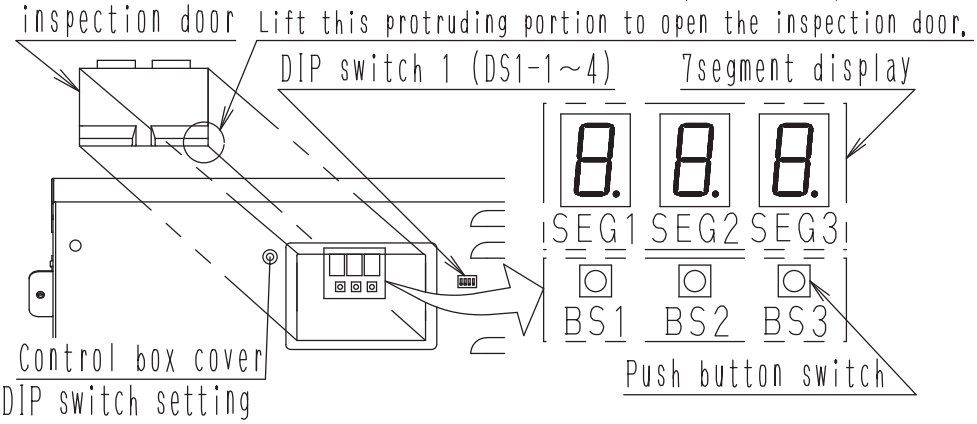
3P361373-1A

Service precautions (2/2)

Field setting

If required, carry out the field setting according to the following instructions. For details, see the service manual.

1. How to operate
   - ●When setting the DIP switch, make sure to turn off the power supply and open the control box cover.
   - ●For operating the push button switch, open the inspection door as shown in the below 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. DIP switch setting

No.	Setting item	Setting value
DS1-1	Cool/Heat switching setting (Note)	ON (when connecting COOL/HEAT selector) OFF (factory setting)
DS1-2~4		Not change from factory setting (OFF)

(Note) COOL/HEAT selector (optional accessory) installing in the outdoor unit is enable to switch operation mode (cooling/heating).
For details of COOL/HEAT selector (optional accessory) installation method, see its installation manual.

1P361833-1B

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

● Function of the push switch

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

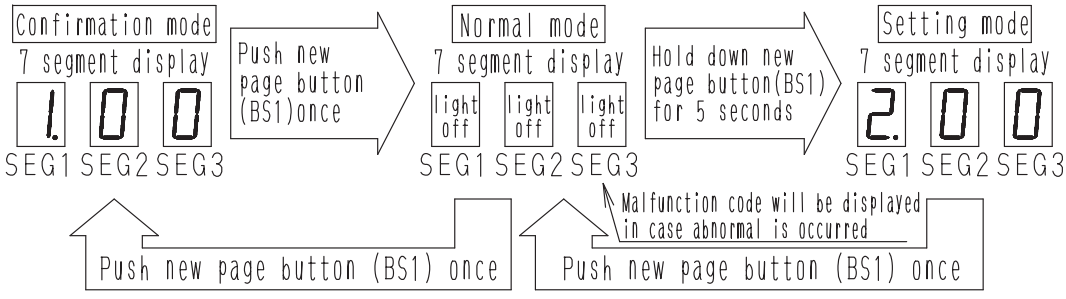
● Normal Mode, Setting Mode, Confirmation mode change method

Push new page button(BS1). It can switch confirmation mode, normal mode and setting mode.

Setting mode can use for setting Ⓐ ~ Ⓗ as shown in right table.

Confirmation mode can use for confirmation of Ⓙ・Ⓚ items as shown in right table.

(Note) About other settings and malfunction code, see the service manual.



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

● For each type setting, make sure to set the 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.

			7 Segment display		
			SEG1	SEG2	SEG3
(1)	In Normal mode, push new page button (BS1) and charge to Confirmation mode. Confirm 7 segment display show right description.		1	0	0
(2)	Push confirmation button(BS3) and confirm the unit master or sub. (see right)	Master unit	light off	light off	0
		Sub unit 1	light off	light off	1
		Sub unit 2	light off	light off	2

1P361833-1B

Set [Setting mode] or [Confirmation mode] first, then perform procedure below.			Details of setting	7 Segment display		
				SEG1	SEG2	SEG3
Setting procedure	① Push operation button (BS2) and adjust the 7 segment display to require mode shown in right. (※1) For selecting low noise operation or demand operation from outside, or performing cool/heat setting by cool/heat central remote control, external control adapter for outdoor unit (optional accessory) is required. For details, see the instruction attached to the adapter.		Ⓐ Cool/Heat selection setting (※1)	2	0	0
			Ⓑ Additional refrigerant charge operation setting	2	2	0
			Ⓒ Refrigerant recovery operation/Evacuation mode setting.	2	2	1
			Ⓓ Night time low noise setting	2	2	2
			Ⓔ External low noise level setting(※1)	2	2	5
			Ⓕ Demand level setting(※1)	2	3	0
			Ⓖ External low noise demand setting (※1)	2	1	2
			Ⓗ High static pressure setting	2	1	8
	② Push confirmation button (BS3). (The present setting is indicated.)			Either of ③		
	③ Push operation button (BS2) and adjust the 7 segment display to required mode shown in right. (※2) Setting level efficiency For Ⓓ and Ⓔ: Setting value — level 1 ~ level 3; Noise value — ⟶ low noise For Ⓕ: Setting value — level 1 ~ level 8; Power consumption — less power ⟵ For details, see the service manual.	For Ⓐ	For perform individual cool/heat switching	light off	light off	0
			For cool/heat switching by master unit	light off	light off	1
			For cool/heat switching by sub unit	light off	light off	2
		For ⒷⒸ ⒼⒽ	ON	light off	light off	1
			OFF (Factory setting)	light off	light off	0
		For Ⓓ (※2)	OFF (Factory setting)	light off	light off	0
			level A(※3) (※3) A is a number of 1~3	light off	light off	A(※3)
		For Ⓔ (※2)	level A(※3) (※3) A is a number of 1~3 (Factory setting :2)	light off	light off	A(※3)
		For Ⓕ (※2)	level B(※4) (※4) B is number of 1~8 (Factory setting :3)	light off	light off	B(※3)
	④ Push confirmation button(BS3).		The setting in ③ is defined	It 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).		The system 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 the example shown on the right according to the required mode.		Ⓙ Low noise operation	1	0	1
			Ⓚ Demand operation	1	0	2
	② Push confirmation button (BS3). (The present setting will be indicate.)		During setting operation	light off	light off	1
			During normal operation.	light off	light off	0

1P361833-1B-KA

1P361833-1B

Additional refrigerant charge operation

- When the outdoor unit is stopped and the entire quantity of refrigerant can not be charged, make sure to charge the remaining quantity of refrigerant using this procedure. If the refrigerant quantity is insufficient, the unit may malfunction.

Setting procedure

① Connect the refrigerant charge hose and valve to the stop valve service port on the gas side.

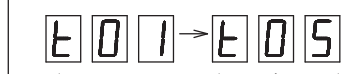
② Make sure to completely open the stop valve on the gas side and the liquid side.

③ Turn ON the power of the indoor units and the outdoor unit. To protect the compressor, make sure to turn on the power supply for 6 hours before starting operation.

④ In the state of unit stopped, turn on the additional refrigerant charge operation by [Setting mode], and open refrigerant cylinder valve. About valve pulse, make sure to adjust refrigerant charging speed as 2.2 lb/minute.

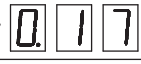
- The operation is automatically started, 7 segment display will be changed as shown in right(up) and "Test operation" and "Under centralized control" are displayed in the remote controller.
- Low pressure indication may display on 7 segment display (as shown in right(down)), however, operation can be carried out continuously.

Test operation・
Under centralized control
7 segment display



When start When finish

Example 7 Segment display

0.17 MPa ⇒ 

⑤ After charging the specified quantity of refrigerant, close refrigerant cylinder valve, push confirmation button(BS3).

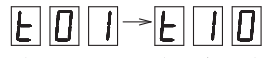
- The operation will be stopped. The operation is automatically stopped within 30 minutes. If charging is not completed, set and perform the additional refrigerant charging operation again.
- If the additional refrigerant charging operation is stopped soon, the refrigerant may be overcharged. Stop additional charging and make sure to confirm charged amount again.

Check operation method

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

- The items below are automatically checked by check operation.
  ◆Check of wrong wiring ◆Check of stop valve closing ◆Check of refrigerant overcharge ◆Detection of piping length.
- 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 malfunction code "U3" will be displayed in the remote controller and normal operation can not be carried.
- 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 control" 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 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, or 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.

7 segment indication



When start When finish

【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))
② In the state of unit stopped, set to Normal mode.
③ Push operation button (BS2) for 5 second or more. (Then the unit will start the check operation)
④ Close the front panel. (Otherwise, it may cause a wrong judgment.)
⑤ 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 below)

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

Result	7 Segment display
Normaly finished	Light off
Abnormaly finished	Malfunction code

【Measure when abnornaly finished】

① Confirm the malfunction 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 confirmation button (BS3) and reset the malfunction code.
③ Carry out the check operation again and confirm that the abnormality is properly corrected.

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 unit is in the state of unit stopped and under the Setting mode, set the © refrigerant recovery/evacuation mode. (※)
② Evacuate the system with a vaccuum pump.
③ Push confirmation button (BS3) after finish evacuation and reset the evacuation mode.
④ Push new page button (BS1) and reset Setting mode.

[Refrigerant recovery operation method] (Make sure to use a refrigerant reclaimer)

① In the state of unit stopped and under the Setting mode, set the © refrigerant recovery/evacuation mode. (※)
② Recover the refrigerant by a refrigerant reclaimer. (For details, see the manual attached in refrigerant reclaimer.)
③ After completed, push confirmation button (BS3) and reset the refrigerant recovery 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 below and "Test operation" and "Under centralized control" will be displayed in the remote controller. The operation will be rejected.

7 Segment display E 0 1

1P361833-1B-KB

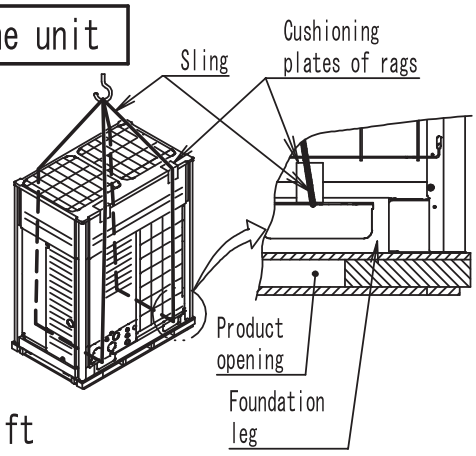
Collective Indications Label

R410A

For those who install or move the unit

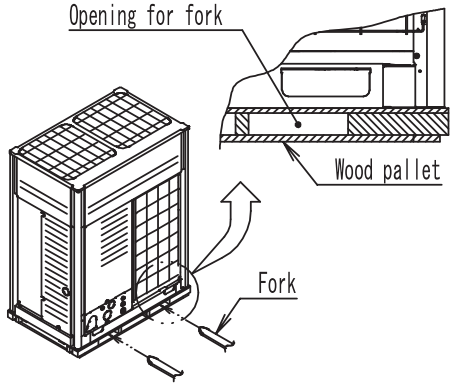
1. When lifting the unit

- To hang the unit, use 2 slings of at least 27 ft. long. Put the belt slings into he product openings tof foundation legs.
- Put cushioning plates of rags where the slings contact the casing in order to prevent the casing from being damaged.



2. When carrying the unit by forklift

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



3. Electrical work

- To prevent electric shock and fire accident, be sure to perform grounding and install an earth leak breaker.
- Electrical work must be carried out by a licensed electrician in accordance with local and national regulations.
- Confirm the insulation of main power supply circuit before opening the stop valve. If stop valve remains open without turn on the power supply, insulation resistance may decline due to refrigerant accumulating in compressor.

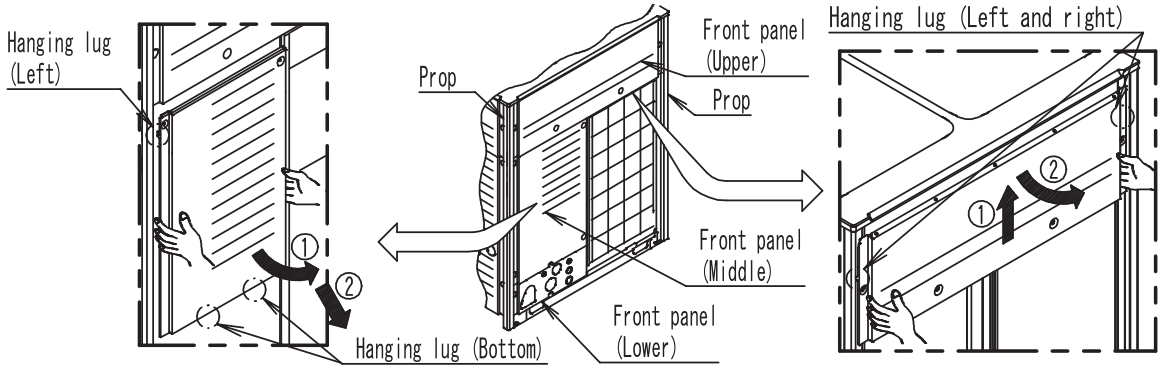
3P571723-1

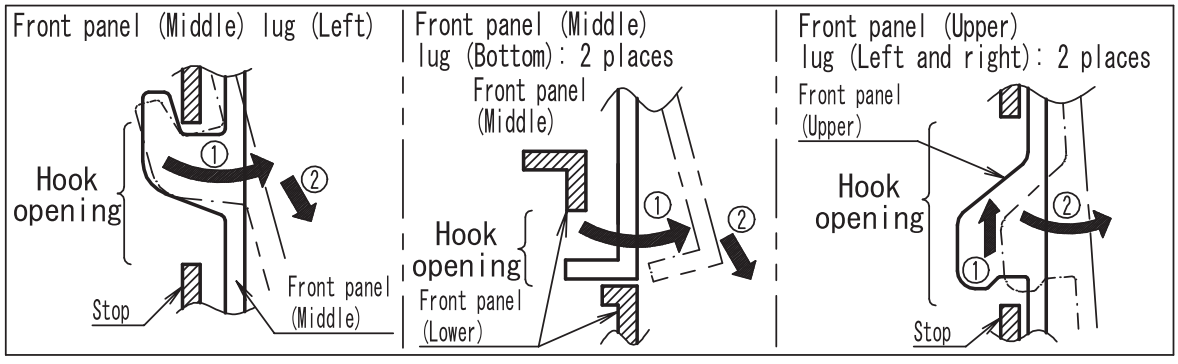
For those who carry out service and maintenance

⚠ WARNING	・Beware of the fan rotating while inspection.
Caution for electric shock	・Do not touch the energized parts while inspection.

〈Front panel (Middle) removing method〉
・Pull the front panel (middle) forward to take a hanging lug (bottom) off (①). Remove the panel downward (②).

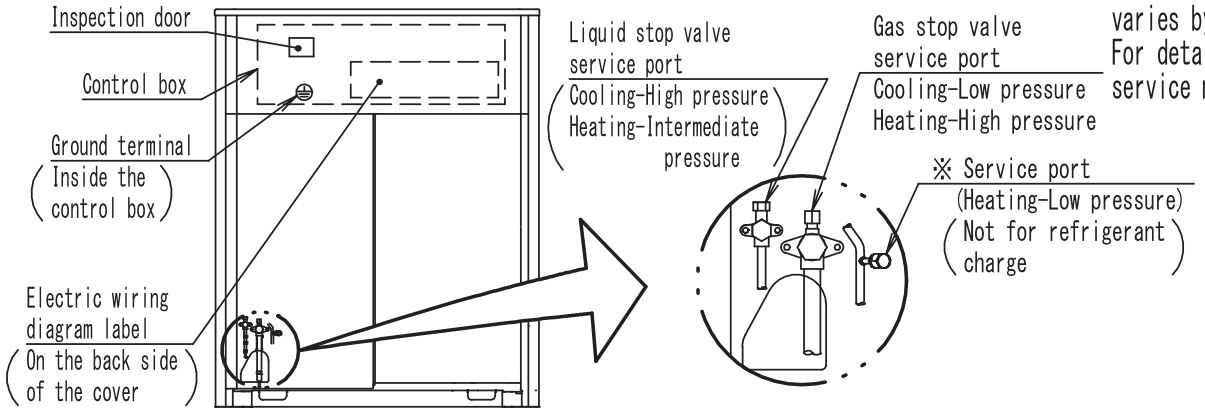
〈Front panel (Upper) removing method〉
・Lift up the panel a little and take a hanging lug off (①). Remove the panel forward (②).





・For the location of the control box and the service parts, see below.

※ This service port varies by each models. For details refer to service manual.



3P571723-1

21.Caution for Refrigerant Leaks

21.1 Introduction

Points to note in connection with refrigerant leaks

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.

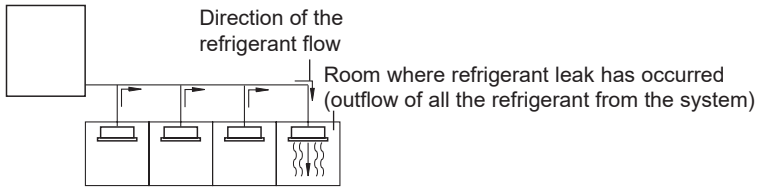
The ***VRV*** System, like other air conditioning systems, uses R410A as refrigerant. R410A itself is an entirely safe non-toxic, non-combustible refrigerant. Nevertheless care must be taken to ensure that air conditioning facilities are installed in a room which is sufficiently large. This assures that 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 lb./1000 ft.^{3} (the weight in lbs. of the refrigerant gas in 1 ft.^{3} 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 can stay, since refrigerant is heavier than air.

21.2 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.) 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.) in the system

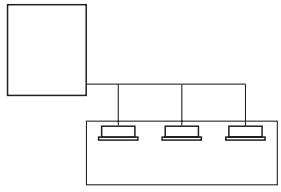
Note:

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.

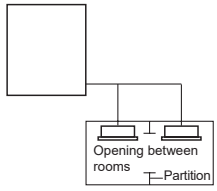
Step 2: Calculate the smallest room volume (ft.^{3})

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.

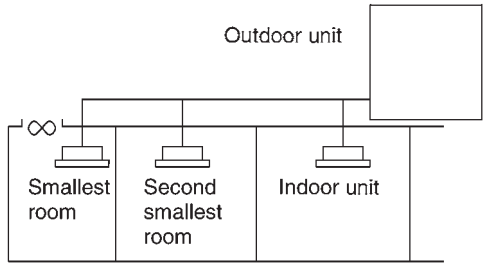


(b) Where there is a room division but there is an opening between the rooms sufficiently large to permit a free flow of air back and forth.



(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.

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

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.

22.Safety Devices Setting

22.1 FXFQ-T

Model		FXFQ07TVJU	FXFQ09TVJU	FXFQ12TVJU	FXFQ15TVJU	FXFQ18TVJU
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
Drain pump thermal fuse	°F (°C)	–	–	–	–	–
Fan motor thermal protector	°F (°C)	–	–	–	–	–
Fan motor thermal fuse	°F (°C)	–	–	–	–	–

Model		FXFQ24TVJU	FXFQ30TVJU	FXFQ36TVJU	FXFQ48TVJU
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: 3D086932C

22.2 FXZQ-TA

Model		FXZQ05TAVJU	FXZQ07TAVJU	FXZQ09TAVJU	FXZQ12TAVJU	FXZQ15TAVJU	FXZQ18TAVJU
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: 4D110603

22.3 FXUQ-P

Model		FXUQ18PVJU	FXUQ24PVJU	FXUQ30PVJU	FXUQ36PVJU
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: 3D090213

22.4 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

22.5 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

22.6 FXSQ-TA

Model		FXSQ05TAVJU	FXSQ07TAVJU	FXSQ09TAVJU	FXSQ12TAVJU	FXSQ15TAVJU
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)	—	—	—	—	—

Model		FXSQ18TAVJU	FXSQ24TAVJU	FXSQ30TAVJU	FXSQ36TAVJU	FXSQ48TAVJU	FXSQ54TAVJU
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)	—	—	—	—	—	—

3D112398

22.7 FXMQ-PB

Model		FXMQ07PBVJU	FXMQ09PBVJU	FXMQ12PBVJU	FXMQ15PBVJU	FXMQ18PBVJU
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, 5 A	250 V, 5 A	250 V, 5 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	293 (145)	293 (145)	293 (145)	293 (145)	293 (145)

Model		FXMQ24PBVJU	FXMQ30PBVJU	FXMQ36PBVJU	FXMQ48PBVJU	FXMQ54PBVJU
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)	293 (145)	293 (145)	293 (145)	293 (145)	293 (145)

C: 3D086916B

22.8 FXMQ-M

Model		FXMQ72MVJU	FXMQ96MVJU
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)

22.9 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

22.10 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

22.11 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

22.12 FXTQ-TA

Model	FXTQ09TAVJUA	FXTQ12TAVJUA	FXTQ18TAVJUA	FXTQ24TAVJUA	FXTQ30TAVJUA
Model (with factory disconnect)	FXTQ09TAVJUD	FXTQ12TAVJUD	FXTQ18TAVJUD	FXTQ24TAVJUD	FXTQ30TAVJUD
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	FXTQ36TAVJUA	FXTQ42TAVJUA	FXTQ48TAVJUA	FXTQ54TAVJUA	FXTQ60TAVJUA
Model (with factory disconnect)	FXTQ36TAVJUD	FXTQ42TAVJUD	FXTQ48TAVJUD	FXTQ54TAVJUD	FXTQ60TAVJUD
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				

22.13 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

Appendix

1. Introduction

1.1 ED Book List

Design Manual ..... RXYQ-XATJA RXYQ-XAYDA ..... **EDUS341923-D (This booklet)**

Capacity Table Book

Heat Pump ..... RXYQ-XATJA RXYQ-XAYDA **EDUS341923-C**

Installation

Heat Pump, Heat Recovery ..... RXYQ REYQ **EDUS371848-N**

Indoor Units

Ceiling Mounted Cassette Type (Round Flow with Sensing) ..... FXFQ-T **EDUS391400A-F14**

VISTA™ 2 × 2 Cassette Unit ..... FXZQ-TA **EDUS391776-F9**

4-Way Blow Ceiling-Suspended Type ..... FXUQ-P **EDUS391437-F15**

One Way Blow Cassette Type ..... FXEQ-P **EDUS391533-F16**

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

MSP Concealed Duct Unit ..... FXSQ-TA **EDUS391777-F17**

Ceiling Mounted Duct Type ..... FXMQ-PB **EDUS391503A-F4**

Ceiling Mounted Duct Type ..... FXMQ-M **EDUS39-900A-F11**

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

Wall Mounted Type ..... FXAQ-P **EDUS391100-F6**

Floor Standing Type / Concealed Floor Standing Type ..... FXLQ-M FXNQ-M **EDUS391502-F7**

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

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

Air Treatment Equipment

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

Energy Recovery Ventilator ..... VAM-G **EDUS711116A**

Controls ..... (coming soon)

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 IV-X***	H/R	208/230 V 460 V 575 V	REYQ-XATJA, XAYDA, XAYCA	USA Canada	Design manual	EDUS371848A-D	Jan.2020
							Capacity table	EDUS371848A-C	
			H/P	208/230 V 460 V	RXYQ-XATJA, XAYDA	USA Canada	Design manual	EDUS341923-D	Nov.2019
							Capacity table	EDUS341923-C	
				575 V	RXYQ-XAYCA	Canada	Design manual	EDUS341928-D	
							Capacity table	EDUS341928-C	
		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	EDUS371705C-D	Feb.2020
							Capacity table	EDUS371705C-C	
			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	RXTQ36TAVJ9A RXTQ48/60TAVJUA	USA Canada	Design manual	EDUS331608C-D	Feb.2020
							Capacity table	EDUS331608C-C	
		Installation for all ***VRV*** air cooled type					Installation	EDUS371848-N	Aug.2019
	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	EDUS301864A-D	Jan.2020
							Capacity table	EDUS301864A-C	
		Installation for all ***VRV*** water cooled type					Installation	EDUS301864-N	Aug.2019

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

Indoor Unit and Other Products

Refrigerant	Produt category	Product type	Model name	Area	Book No.	Published in
R410A	***VRV*** Indoor units	Ceiling Mounted Cassette Type (Round Flow with Sensing)	FXFQ07-48TVJU	USA	EDUS391400A-F14	May 2018
		VISTA™ 2 x 2 Cassette Unit	FXZQ05-18TAVJU	USA	EDUS391776-F9	Mar.2018
		4-Way Blow Ceiling- Suspended Type	FXUQ18-36PVJU	USA	EDUS391437-F15	May 2015
		One Way Blow Cassette Type	FXEQ07-24PVJU	USA	EDUS391533-F16	Oct.2015
		Slim Ceiling Mounted Duct Type	FXDQ07-24MVJU	USA	EDUS39-600-F2	Sep.2006
		MSP Concealed Ducted Unit	FXSQ05-54TAVJU	USA	EDUS391777-F17	Mar.2018
		Ceiling Mounted Duct Type (Middle and High Static Pressure)	FXMQ07-54PBVJU	USA	EDUS391503A-F4	May 2018
		Ceiling Mounted Duct Type	FXMQ72/96MVJU	USA	EDUS39-900A-F11	May 2010
		Ceiling Suspended Type	FXHQ12-36MVJU	USA	EDUS39-600-F5	Sep.2006
		Wall Mounted Type	FXAQ07-24PVJU	USA	EDUS391100-F6	Jan.2012
		Floor Standing Type Concealed Floor Standing Type	FXLQ07-24MVJU FXNQ07-24MVJU	USA	EDUS391502-F7	Jul.2015
		Air Handling Unit	FXTQ09-60TAVJUA FXTQ09-60TAVJUD	USA	Engineering Data FXTQ-TA	Sep.2016
		Cased Coil Unit	CXTQ24-60TASBLU	USA	Engineering Data CXTQ-TA	—
		Outdoor Air Processing Unit	FXMQ48-96MFVJU	USA	EDUS39-900A-F10	May 2010
		Single Branch Selector Unit	BSQ36-96TVJ	USA	EDUS391434-B	Aug.2015
		Multi Branch Selector Unit	BS4-12Q54TVJ	USA	EDUS391434-B	Aug.2015
	Controls and networks	Remote controllers Control devices Adaptors	BRC1E71, BRC4C/7C/7E, BRC2A71 DCS302C71, DCS301C71, DST301BA61, DCS601C71 KRP1C74/75	USA	EDUS721909-T	Coming soon
		Navigation remote controller	BRC1E73	USA	EDUS721438	Apr.2015
		intelligent Touch Manager	DCM601A71, DCM601A72	USA	EDUS721212	Oct.2012
		intelligent Touch Controller	DCS601C71	USA	EDUS72-608	Dec.2006
		Interface for use in BACnet®	DMS502B71	USA	EDUS72-749	Oct.2007
Option for all type			For indoor and outdoor units	USA	OHUS07-1	Nov.2007
Energy Recovery Ventilator (VAM)			VAM300-1200GVJU	USA	EDUS711116A	Jun.2017

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 enquiries, 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.