EDUS342522A-D
202606

Engineering Data

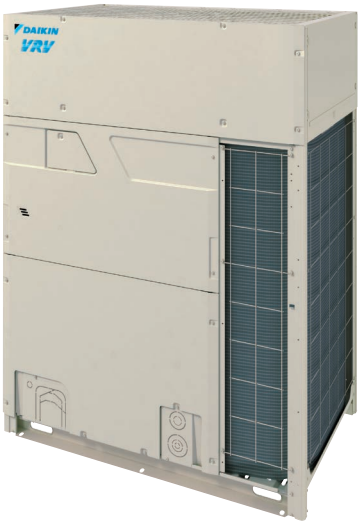
Design Manual

RXYA-AATJA, 208 / 230 V
RXYA-AAYDA, 460 V

Heat Pump 60 Hz

R-32

VRV EMERGON



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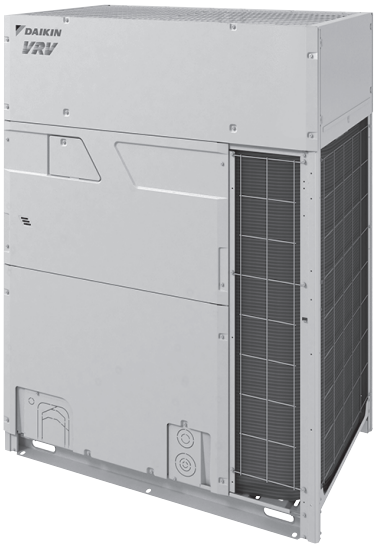
1. Basic Information

1. Features and Benefits

- Low ambient cooling operation down to -4°F (-20°C) with a field setting and the addition of wind covers onto the outdoor unit and with use of safety shut off valve.
- Expanded Heating operation down to -22°F as standard
- New improved D4 net provides faster communication speeds and larger data volume
- Reduced install and commissioning time through auto addressing feature with D4 communications protocol
- R-32 system with lower Global Warming Potential (GWP), provides improved efficiency compared to R-410A and requires lower total system charge
- Increased energy savings through new improved VRT technology with evaporation temperature control at each indoor unit (Safety Shut-Off Valve unit required)
- New remote field setting option that allows data retrieval and field setting changes of units on the system from anywhere, without the need for physical access to each room
- Seven segment display to read refrigerant temperatures and pressure on digital display
- Vertical separation up to 361 FT with field setting
- New field setting that allows reuse of R-410A a piping network for new R-32 system, eliminating need to replace for retrofit applications
- Hot gas defrost circuit allows for installation without base pan heater
- High dust moisture protection with an IP55 rated sealed E-box
- Design flexibility to enlarge system from single to a dual-module without changes to installed main pipe sizes for phased installation or tenant fit-out buildings
- Engineered for ease of installation and service with three-segment panel design
- Built-in data recorder to store up to 40 minutes of operational data
- Integrates with Daikin HERO cloud services - A powerful cloud-based controls platform that provide 24/7 remote monitoring and control.
- Extended benefits of inverter technology to custom terminal units and AHUs through AHU integration kits

6 Ton

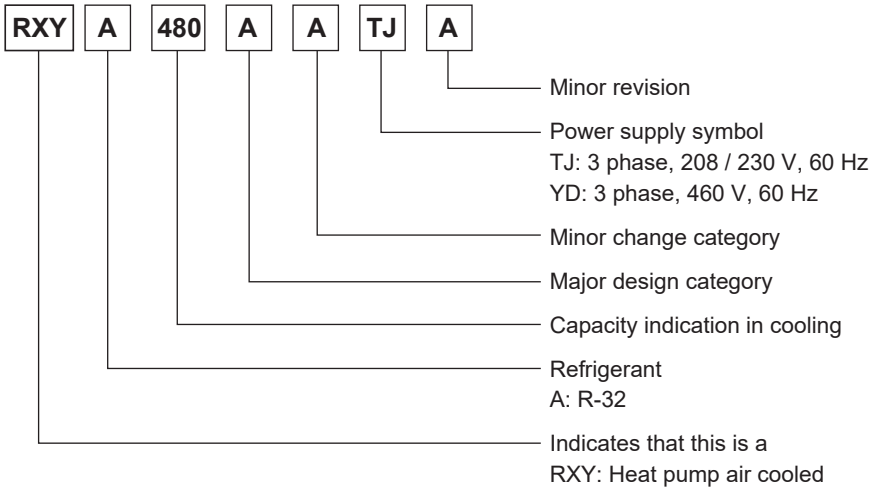


8 - 14 Ton

16 - 20 Ton

2. Nomenclature

2.1 Outdoor Unit



2.2 Indoor Unit

F X S A 54 A A VJ U

FXTA symbol
A: Without factory disconnect
D: With factory disconnect

Standard symbol
U: United States of America

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

Minor change category

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
A: R-32

Type
F: Ceiling Mounted Cassette (Round Flow with Sensing)
Z: VISTA™ 2 × 2 Cassette Unit
S: MSP Concealed Ducted Unit
M: HSP Concealed Ducted Unit
A: Wall Mounted Type
T: Air Handling Unit (FXTA)

Series category
X: Inverter

Unit category
F: Indoor unit for air cooled type

EKE A X A A A3 U

Standard symbol
U: United States of America

Power supply symbol
A3: 1 phase, 24 V, 60 Hz

Minor change category

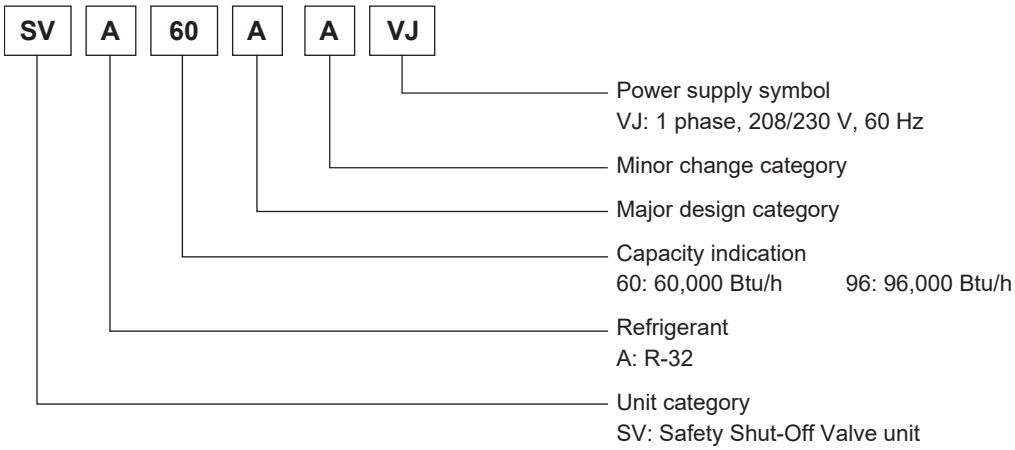
Major design category

EEV Kit control box model classification
X: DX Control Box
D: DOAS Control Box

Refrigerant
A: R-32

EEV Kit

2.3 Safety Shut-Off Valve Unit



2. Lineup

1. Model Names

1.1 Outdoor Units

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

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

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	RXYA72AATJA	RXYA96AATJA	RXYA120AATJA	RXYA144AATJA
Outdoor unit 1	RXYA72AATJA	RXYA96AATJA	RXYA120AATJA	RXYA144AATJA

Model name	RXYA168AATJA	RXYA192AATJA	RXYA216AATJA	RXYA240AATJA
Outdoor unit 1	RXYA168AATJA	RXYA192AATJA	RXYA216AATJA	RXYA240AATJA

Model name	RXYA264AATJA	RXYA288AATJA	RXYA312AATJA	RXYA336AATJA	RXYA360AATJA
Outdoor unit 1	RXYA120AATJA	RXYA144AATJA	RXYA144AATJA	RXYA168AATJA	RXYA168AATJA
Outdoor unit 2	RXYA144AATJA	RXYA144AATJA	RXYA168AATJA	RXYA168AATJA	RXYA192AATJA

Model name	RXYA384AATJA	RXYA408AATJA	RXYA432AATJA	RXYA456AATJA	RXYA480AATJA
Outdoor unit 1	RXYA192AATJA	RXYA192AATJA	RXYA216AATJA	RXYA216AATJA	RXYA240AATJA
Outdoor unit 2	RXYA192AATJA	RXYA216AATJA	RXYA216AATJA	RXYA240AATJA	RXYA240AATJA

Heat Pump 460 V

Model name	RXYA72AAYDA	RXYA96AAYDA	RXYA120AAYDA	RXYA144AAYDA
Outdoor unit 1	RXYA72AAYDA	RXYA96AAYDA	RXYA120AAYDA	RXYA144AAYDA

Model name	RXYA168AAYDA	RXYA192AAYDA	RXYA216AAYDA	RXYA240AAYDA
Outdoor unit 1	RXYA168AAYDA	RXYA192AAYDA	RXYA216AAYDA	RXYA240AAYDA

Model name	RXYA264AAYDA	RXYA288AAYDA	RXYA312AAYDA	RXYA336AAYDA	RXYA360AAYDA
Outdoor unit 1	RXYA120AAYDA	RXYA144AAYDA	RXYA144AAYDA	RXYA168AAYDA	RXYA168AAYDA
Outdoor unit 2	RXYA144AAYDA	RXYA144AAYDA	RXYA168AAYDA	RXYA168AAYDA	RXYA192AAYDA

Model name	RXYA384AAYDA	RXYA408AAYDA	RXYA432AAYDA	RXYA456AAYDA	RXYA480AAYDA
Outdoor unit 1	RXYA192AAYDA	RXYA192AAYDA	RXYA216AAYDA	RXYA216AAYDA	RXYA240AAYDA
Outdoor unit 2	RXYA192AAYDA	RXYA216AAYDA	RXYA216AAYDA	RXYA240AAYDA	RXYA240AAYDA

1.2 Indoor Units

Capacity range	ton	0.5	0.6	0.8	1	1.25	1.5	2	2.5	3	3.5	4	4.5	5	6	8	Power supply, Standard
	kW	1.7	2.2	2.8	3.5	4.4	5.3	7	8.8	10.6	12.3	14.1	15.8	17.6	21.1	28.1	
Capacity index		5.8	7.5	9.5	12	15	18	24	30	36	42	48	54	60	72	96	
Ceiling Mounted Cassette (Round Flow with Sensing)	FXFA	—	07AA	09AA	12AA	15AA	18AA	24AA	30AA	36AA	—	48AA	54AA	—	—	—	VJU
VISTA™ 2 × 2 Cassette Unit	FXZA	05AA	07AA	09AA	12AA	15AA	18AA	—	—	—	—	—	—	—	—	—	VJU
MSP Concealed Ducted Unit	FXSA	05AA	07AA	09AA	12AA	15AA	18AA	24AA	30AA	36AA	—	48AA	54AA	—	—	—	VJU
HSP Concealed Ducted Unit	FXMA	—	—	—	—	15AA	18AA	24AA	30AA	36AA	—	48AA	54AA	—	72AA	96AA	VJU
Wall Mounted Type	FXAA	05AA	07AA	09AA	12AA	—	18AA	24AA	—	—	—	—	—	—	—	—	VJU
Air Handling Unit	FXTA	—	—	09AB	12AB	—	18AB	24AB	30AB	36AB	42AB	48AB	54AB	60AB	—	—	VJUA
		—	—	09AB	12AB	—	18AB	24AB	30AB	36AB	42AB	48AB	54AB	60AB	—	—	VJUD
AHU Integration Kit (DX Control Box)	EKEAXAA *1																A3U
AHU Integration Kit (DOAS Control Box)	EKEADAA *1																A3U

*1. The capacity is determined based on the capacity adaptor attached to the PCB.

VJ: 1 phase, 208/230 V, 60 Hz
A3: 1 phase, 24 V, 60 Hz
U(VJU, A3U): Standard symbol
A(VJUA): Without factory disconnect (only FXTA-AB)
D(VJUD): With factory disconnect (only FXTA-AB)

1.3 Safety Shut-Off Valve Unit

Series		Model name		Power supply, standard
Heat pump	SVA	60AA	96AA	VJ

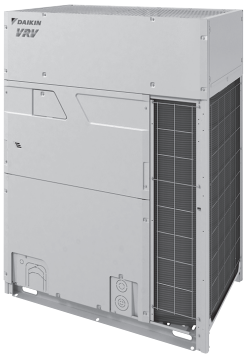
VJ: 1 phase, 208/230 V, 60 Hz

2. External Appearance

2.1 Outdoor Units

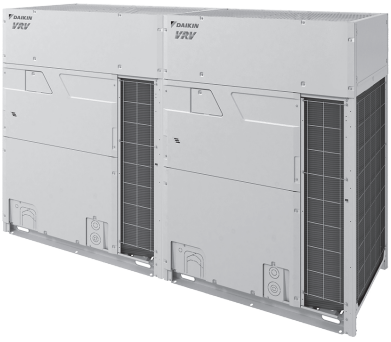
Single Outdoor Units

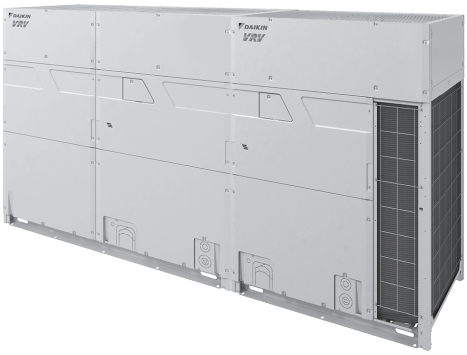
RXYA72AATJA	RXYA72AAYDA
6 ton	

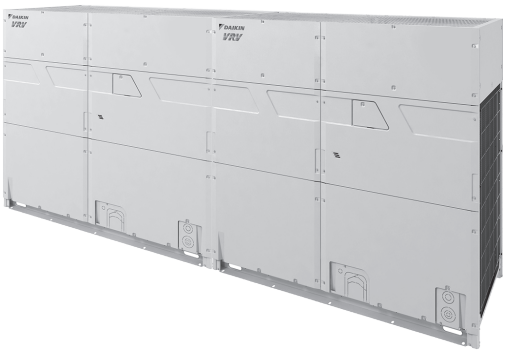
RXYA96AATJA RXYA120AATJA RXYA144AATJA RXYA168AATJA	RXYA96AAYDA RXYA120AAYDA RXYA144AAYDA RXYA168AAYDA
 8, 10, 12, 14 ton	

RXYA192AATJA RXYA216AATJA RXYA240AATJA	RXYA192AAYDA RXYA216AAYDA RXYA240AAYDA
16, 18, 20 ton	

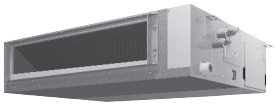
Double Outdoor Units

RXYA264AATJA RXYA288AATJA RXYA312AATJA RXYA336AATJA	RXYA264AAYDA RXYA288AAYDA RXYA312AAYDA RXYA336AAYDA
 22, 24, 26, 28 ton	

RXYA360AATJA	RXYA360AAYDA
 30 ton	

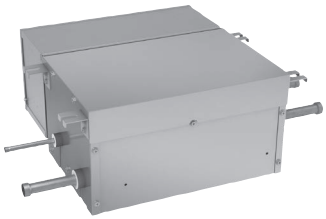
RXYA384AATJA RXYA408AATJA RXYA432AATJA RXYA456AATJA RXYA480AATJA	RXYA384AAYDA RXYA408AAYDA RXYA432AAYDA RXYA456AAYDA RXYA480AAYDA
 32, 34, 36, 38, 40 ton	

2.2 Indoor Units

Ceiling Mounted Cassette (Round Flow with Sensing) FXFA-AA Shown with BYCQ54GEFU	Wall Mounted Type FXAA-AA
VISTA™ 2 × 2 Cassette Unit FXZA-AA Shown with BYFQ18GU	Air Handling Unit FXTA-AB
MSP Concealed Ducted Unit FXSA-AA 	AHU Integration Kit (DX Control Box) EKEAXAAA3U
HSP Concealed Ducted Unit FXMA15-54AA FXMA72/96AA 	AHU Integration Kit (DOAS Control Box) EKEADAAA3U

2.3 Safety Shut-Off Valve Unit

SVA60AAVJ
SVA96AAVJ



3. Outdoor Unit Combination

Model name	System capacity			Number of units	Module							
	Ton	HP	kW		72	96	120	144	168	192	216	240
RXYA72AATJA RXYA72AAYDA	6	7.5	21.1	1	●							
RXYA96AATJA RXYA96AAYDA	8	10.0	28.1	1		●						
RXYA120AATJA RXYA120AAYDA	10	12.5	35.2	1			●					
RXYA144AATJA RXYA144AAYDA	12	15.0	42.2	1				●				
RXYA168AATJA RXYA168AAYDA	14	17.5	49.2	1					●			
RXYA192AATJA RXYA192AAYDA	16	20.0	56.3	1						●		
RXYA216AATJA RXYA216AAYDA	18	22.5	63.3	1							●	
RXYA240AATJA RXYA240AAYDA	20	25.0	70.3	1								●
RXYA264AATJA RXYA264AAYDA	22	27.5	77.4	2			●	●				
RXYA288AATJA RXYA288AAYDA	24	30.0	84.4	2				●●				
RXYA312AATJA RXYA312AAYDA	26	32.5	91.4	2				●	●			
RXYA336AATJA RXYA336AAYDA	28	35.0	98.5	2					●●			
RXYA360AATJA RXYA360AAYDA	30	37.5	105.5	2					●	●		
RXYA384AATJA RXYA384AAYDA	32	40.0	112.5	2						●●		
RXYA408AATJA RXYA408AAYDA	34	42.5	119.6	2						●	●	
RXYA432AATJA RXYA432AAYDA	36	45.0	126.6	2							●●	
RXYA456AATJA RXYA456AAYDA	38	47.5	133.6	2							●	●
RXYA480AATJA RXYA480AAYDA	40	50.0	140.6	2								●●

Note:

For multiple connection, the following kits are required;
- Outdoor unit multi connection piping kit: BHFA22P100UA
- Reducer piping kit: KHFA26P100UA

4. Interchangeability

Outdoor unit			Safety Shut-Off Valve unit
			SVA60AAVJ SVA96AAVJ
Heat pump	RXYA-AA	RXYA-AATJA	Connectable
		RXYA-AAYDA	Connectable

5. Capacity Range

5.1 Connection Ratio

Connection ratio = Total capacity index of the indoor units / Capacity index of the outdoor units

Type		Min. connection ratio	Max. connection ratio *2, *3		
		Types of connected outdoor units	Types of connected indoor units		
		RXYA-AA type	When using only FXAA07-24, FXSA07	When using at least one FXFA07/09, FXAA05, FXZA05, FXSA05, FXTA12 *4	When using other indoor unit models
Single outdoor unit	72 - 168 A	50%	200% *1	180% *1	200% *1
	192 - 240 A			180% *1	180% *1
Double outdoor units				160% *1	160% *1

Note:

*1. If the operational capacity of indoor units is more than 130%, low airflow operation is enforced in all the indoor units. This limitation can be abolished through field setting.
*2. For indoor units used for cooling only, total capacity index of cooling only indoor units must be 50% or less than the total capacity index of the indoor units.
*3. Simultaneous operation of over 130% indoor units (*) is not allowed. (If it happens, all indoor fans go to L-tap and the airflow decrease automatically. Also, as cold draft problem might happen due to shortage of capacity, limit indoor unit connection ratio to 130% or less if the simultaneous operation capacity can not be controlled.)
(*) Cooling thermo-on capacity or Heating thermo-on capacity. With field setting, the above limitation can be abolished.
*4. Only the FXTA12 model, whose heat exchanger volume per unit capacity is exceptionally large, shall be limited to 180%; all other models shall be limited to 200%. However, when all units are operated in heating mode simultaneously, the capacity of each indoor unit will decrease.
*5. Regarding the combinations related to the AHU integration kits (EKEA), refer to the Engineering Data Book.

5.2 Capacity Range of Connectable Indoor Units

Type	Ton	Capacity index	Model name	Total capacity index of connectable indoor units *1	Maximum number of connectable indoor units
Single outdoor unit	6	72	RXYA72AATJA RXYA72AAYDA	36 to 93 (144)	12
	8	96	RXYA96AATJA RXYA96AAYDA	48 to 124 (192)	16
	10	120	RXYA120AATJA RXYA120AAYDA	60 to 156 (240)	20
	12	144	RXYA144AATJA RXYA144AAYDA	72 to 187 (288)	25
	14	168	RXYA168AATJA RXYA168AAYDA	84 to 218 (336)	29
	16	192	RXYA192AATJA RXYA192AAYDA	96 to 249 (384)	33
	18	216	RXYA216AATJA RXYA216AAYDA	108 to 280 (432)	37
	20	240	RXYA240AATJA RXYA240AAYDA	120 to 312 (480)	41
Double outdoor units	22	264	RXYA264AATJA RXYA264AAYDA	132 to 343 (528)	45
	24	288	RXYA288AATJA RXYA288AAYDA	144 to 374 (576)	49
	26	312	RXYA312AATJA RXYA312AAYDA	156 to 405 (624)	54
	28	336	RXYA336AATJA RXYA336AAYDA	168 to 436 (672)	58
	30	360	RXYA360AATJA RXYA360AAYDA	180 to 468 (720)	62
	32	384	RXYA384AATJA RXYA384AAYDA	192 to 499 (768)	64
	34	408	RXYA408AATJA RXYA408AAYDA	204 to 530 (816)	64
	36	432	RXYA432AATJA RXYA432AAYDA	216 to 561 (864)	64
	38	456	RXYA456AATJA RXYA456AAYDA	228 to 592 (912)	64
	40	480	RXYA480AATJA RXYA480AAYDA	240 to 624 (960)	64

Note:

*1. Values inside brackets are based on maximum connection ratio of indoor units rated at 200%.
*2. Regarding the maximum number of connectable AHU integration kits (EKEA), refer to the Engineering Data Book.

5.3 Limitation of Capacity Index

Model name	SVA60AAVJ	SVA96AAVJ
Maximum number of connectable indoor units	16	16
Total capacity index of connectable indoor units	unit ≤ 60	60 < unit ≤ 96

3. Specification

1. Specifications

1.1 RXYA-AATJA

RXYA72 / 96 / 120AATJA

Outdoor unit model No.			RXYA72AATJA	RXYA96AATJA	RXYA120AATJA
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	72,000 (21.1)	96,000 (28.1)	119,000 (34.9)
	Rated		69,000 (20.2)	92,000 (27.0)	114,000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	81,000 (23.7)	108,000 (31.7)	135,000 (39.6)
	Rated		69,000 (20.2)	92,000 (27.0)	114,000 (33.4)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 36-5/8 × 30-1/8 (1,660 × 930 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	13.8	8.5 + 9.6	10.7 + 12.1
	Number of revolutions	r/min	4,062	3,990 + 4,524	5,052 + 5,730
	Motor output × Number of units	kW	4.23	2.44 + 2.76	3.09 + 3.50
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.89	0.73 x 2	0.73 x 2
	Airflow rate	cfm (m³/min)	6,200 (175.6)	8,965 (253.9)	8,965 (253.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (9.5) C1220T (brazing connection)	ϕ3/8 (9.5) C1220T (brazing connection)	ϕ1/2 (12.7) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ3/4 (19.1) C1220T (brazing connection)	ϕ7/8 (22.2) C1220T (brazing connection)	ϕ7/8 (22.2) C1220T (brazing connection)
Weight		lbs (kg)	549 (249)	736 (334)	739 (335)
Sound pressure level (reference data)		dB(A)	58	61	61
Sound power level (reference data)		dB	80	82	82
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	12 - 100	6 - 100	6 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	21.6 (9.8)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA144 / 168 / 192AATJA

Outdoor unit model No.			RXYA144AATJA	RXYA168AATJA	RXYA192AATJA
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	144,000 (42.2)	162,000 (47.5)	192,000 (56.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
★2 Heating capacity	Nominal	Btu/h (kW)	162,000 (47.5)	189,000 (55.4)	216,000 (63.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)	65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	10.6 + 15.9	12.0 + 18.1	14.9 + 16.0
	Number of revolutions	r/min	4,986 + 4,686	5,652 + 5,352	4,410 + 4,710
	Motor output × Number of units	kW	3.05 + 4.88	3.45 + 5.58	4.59 + 4.91
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.73 x 2	0.73 x 2	0.89 x 2
	Airflow rate	cfm (m³/min)	9,675 (274)	9,675 (274)	13,650 (386.5)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ1/2 (12.7) C1220T (brazing connection)	ϕ1/2 (12.7) C1220T (brazing connection)	ϕ1/2 (12.7) 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)	825 (374)	827 (375)	1,010 (458)
Sound pressure level (reference data)		dB(A)	65	65	67
Sound power level (reference data)		dB	85	85	88
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	4 - 100	4 - 100	6 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA216 / 240AATJA

Outdoor unit model No.			RXYA216AATJA	RXYA240AATJA
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	216,000 (63.3)	238,000 (69.8)
	Rated		206,000 (60.4)	228,000 (66.8)
★2 Heating capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)
	Rated		206,000 (60.4)	220,000 (64.5)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	16.8 + 17.8	18.0 + 19.0
	Number of revolutions	r/min	4,950 + 5,250	5,316 + 5,616
	Motor output × Number of units	kW	5.16 + 5.47	5.54 + 5.85
	Starting method		Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan
	Motor output	kW	0.89 x 2	0.89 x 2
	Airflow rate	cfm (m³/min)	14,505 (410.8)	14,505 (410.8)
	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)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (brazing connection)	ϕ1-1/8 (28.6) C1220T (brazing connection)
Weight		lbs (kg)	1,010 (458)	1,010 (458)
Sound pressure level (reference data)		dB(A)	68	69
Sound power level (reference data)		dB	90	90
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer
Capacity control		%	6 - 100	5 - 100
Refrigerant	Refrigerant name		R32	R32
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA264 / 288 / 312AATJA

Outdoor unit model No. (Combination unit)			RXYA264AATJA	RXYA288AATJA	RXYA312AATJA
Outdoor unit model No.(Independent unit)			RXYA120AATJA	RXYA144AATJA	RXYA144AATJA
			RXYA144AATJA	RXYA144AATJA	RXYA168AATJA
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	264,000 (77.4)	286,000 (83.8)	310,000 (90.9)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
★2 Heating capacity	Nominal	Btu/h (kW)	297,000 (87.0)	324,000 (95.0)	351,000 (103)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	(9.8 + 11.2) + (11.3 + 17.1)	(10.4 + 15.6) + (10.4 + 15.6)	(11.3 + 17.1) + (11.3 + 17.1)
	Number of revolutions	r/min	(4,650 + 5,274) + (5,346 + 5,046)	(4,914 + 4,614) + (4,914 + 4,614)	(5,346 + 5,046) + (5,346 + 5,046)
	Motor output × Number of units	kW	(2.84 + 3.22) + (3.27 + 5.26)	(3.00 + 4.81) + (3.00 + 4.81)	(3.27 + 5.26) + (3.27 + 5.26)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.73 x 2 + 0.73 x 2	0.73 x 2 + 0.73 x 2	0.73 x 2 + 0.73 x 2
	Airflow rate	cfm (m³/min)	8,965 (253.9)+9,675 (274)	9,675 (274)+9,675 (274)	9,675 (274)+9,675 (274)
	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)	ϕ5/8 (15.9) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (brazing connection)	ϕ1-3/8 (34.9) C1220T (brazing connection)	ϕ1-3/8 (34.9) C1220T (brazing connection)
Weight		lbs (kg)	739 (335)+825 (374)	825 (374)+825 (374)	825 (374)+827 (375)
Sound pressure level (reference data)		dB(A)	67	69	69
Sound power level (reference data)		dB	88	89	89
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	2 - 100	2 - 100	2 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA336 / 360 / 384AATJA

Outdoor unit model No. (Combination unit)			RXYA336AATJA	RXYA360AATJA	RXYA384AATJA
Outdoor unit model No.(Independent unit)			RXYA168AATJA	RXYA168AATJA	RXYA192AATJA
			RXYA168AATJA	RXYA192AATJA	RXYA192AATJA
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	330,000 (96.7)	358,000 (105)	382,000 (112)
	Rated		316,000 (92.6)	342,000 (100)	364,000 (107)
★2 Heating capacity	Nominal	Btu/h (kW)	378,000 (111)	405,000 (119)	432,000 (127)
	Rated		310,000 (90.9)	342,000 (100)	364,000 (107)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 × 1,240 × 765 + 1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	(12.0 + 18.1) + (12.0 + 18.1)	(11.0 + 16.6) + (16.5 + 17.6)	(15.2 + 16.2) + (15.2 + 16.2)
	Number of revolutions	r/min	(5,652 + 5,352) + (5,652 + 5,352)	(5,202 + 4,896) + (4,878 + 5,178)	(4,476 + 4,776) + (4,476 + 4,776)
	Motor output × Number of units	kW	(3.45 + 5.58) + (3.45 + 5.58)	(3.18 + 5.10) + (5.08 + 5.39)	(4.66 + 4.98) + (4.66 + 4.98)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.73 x 2 + 0.73 x 2	0.73 x 2 + 0.89 x 2	0.89 x 2 + 0.89 x 2
	Airflow rate	cfm (m³/min)	9,675 (274)+9,675 (274)	9,675 (274)+13,650 (386.5)	13,650 (386.5)+13,650 (386.5)
	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)	ϕ5/8 (15.9) 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)	827 (375)+827 (375)	827 (375)+1,010 (458)	1,010 (458)+1,010 (458)
Sound pressure level (reference data)		dB(A)	69	70	71
Sound power level (reference data)		dB	89	91	93
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	2 - 100	2 - 100	3 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA408 / 432 / 456AATJA

Outdoor unit model No. (Combination unit)			RXYA408AATJA	RXYA432AATJA	RXYA456AATJA
Outdoor unit model No.(Independent unit)			RXYA192AATJA	RXYA216AATJA	RXYA216AATJA
			RXYA216AATJA	RXYA216AATJA	RXYA240AATJA
Power supply			3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V	3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	406,000 (119)	430,000 (126)	444,000 (130)
	Rated		388,000 (114)	410,000 (120)	424,000 (124)
★2 Heating capacity	Nominal	Btu/h (kW)	459,000 (135)	486,000 (142)	513,000 (150)
	Rated		388,000 (114)	404,000 (118)	414,000 (121)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	(16.3 + 17.3) + (17.0 + 18.0)	(18.0 + 19.0) + (18.0 + 19.0)	(19.1 + 20.1) + (19.1 + 20.1)
	Number of revolutions	r/min	(4,806 + 5,112) + (5,022 + 5,322)	(5,316 + 5,616) + (5,316 + 5,616)	(5,628 + 5,934) + (5,628 + 5,934)
	Motor output × Number of units	kW	(5.01 + 5.33) + (5.23 + 5.54)	(5.54 + 5.85) + (5.54 + 5.85)	(5.86 + 6.18) + (5.86 + 6.18)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.89 x 2 + 0.89 x 2	0.89 x 2 + 0.89 x 2	0.89 x 2 + 0.89 x 2
	Airflow rate	cfm (m³/min)	13,650 (386.5)+14,505 (410.8)	14,505 (410.8)+14,505 (410.8)	14,505 (410.8)+14,505 (410.8)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (brazing connection)	ϕ3/4 (19.1) C1220T (brazing connection)	ϕ3/4 (19.1) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (brazing connection)	ϕ1-5/8 (41.3) C1220T (brazing connection)	ϕ1-5/8 (41.3) C1220T (brazing connection)
Weight		lbs (kg)	1,010 (458)+1,010 (458)	1,010 (458)+1,010 (458)	1,010 (458)+1,010 (458)
Sound pressure level (reference data)		dB(A)	71	72	72
Sound power level (reference data)		dB	94	95	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	3 - 100	3 - 100	3 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA480AATJA

Outdoor unit model No. (Combination unit)			RXYA480AATJA
Outdoor unit model No.(Independent unit)			RXYA240AATJA
			RXYA240AATJA
Power supply			3 phase, 60 Hz, 208/230 V
★1 Cooling capacity	Nominal	Btu/h (kW)	456,000 (134)
	Rated		436,000 (128)
★2 Heating capacity	Nominal	Btu/h (kW)	540,000 (158)
	Rated		418,000 (123)
Casing color			Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil
Compressor	Type		Hermetically sealed scroll type
	Volume	m³/h	(19.9 + 21.0) + (19.9 + 21.0)
	Number of revolutions	r/min	(5,874 + 6,180) + (5,874 + 6,180)
	Motor output × Number of units	kW	(6.12 + 6.44) + (6.12 + 6.44)
	Starting method		Soft start
Fan	Type		Propeller fan
	Motor output	kW	0.89 x 2 + 0.89 x 2
	Airflow rate	cfm (m³/min)	14,505 (410.8)+14,505 (410.8)
	Drive		Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (brazing connection)
Weight		lbs (kg)	1,010 (458)+1,010 (458)
Sound pressure level (reference data)		dB(A)	73
Sound power level (reference data)		dB	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer
Capacity control		%	3 - 100
Refrigerant	Refrigerant name		R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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

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

1.2 RXYA-AAYDA

RXYA72 / 96 / 120AAYDA

Outdoor unit model No.			RXYA72AAYDA	RXYA96AAYDA	RXYA120AAYDA
Power supply			3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	72,000 (21.1)	96,000 (28.1)	119,000 (34.9)
	Rated		69,000 (20.2)	92,000 (27.0)	114,000 (33.4)
★2 Heating capacity	Nominal	Btu/h (kW)	81,000 (23.7)	108,000 (31.7)	135,000 (39.6)
	Rated		69,000 (20.2)	92,000 (27.0)	114,000 (33.4)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 36-5/8 × 30-1/8 (1,660 × 930 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	13.8	8.5 + 9.6	10.7 + 12.1
	Number of revolutions	r/min	4,062	3,990 + 4,524	5,052 + 5,730
	Motor output × Number of units	kW	4.23	2.44 + 2.76	3.09 + 3.50
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.89	0.73 x 2	0.73 x 2
	Airflow rate	cfm (m³/min)	6,200 (175.6)	8,965 (253.9)	8,965 (253.9)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (9.5) C1220T (brazing connection)	ϕ3/8 (9.5) C1220T (brazing connection)	ϕ1/2 (12.7) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ3/4 (19.1) C1220T (brazing connection)	ϕ7/8 (22.2) C1220T (brazing connection)	ϕ7/8 (22.2) C1220T (brazing connection)
Weight		lbs (kg)	564 (256)	752 (341)	754 (342)
Sound pressure level (reference data)		dB(A)	58	61	61
Sound power level (reference data)		dB	80	82	82
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	12 - 100	6 - 100	6 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	21.6 (9.8)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA144 / 168 / 192AAYDA

Outdoor unit model No.			RXYA144AAYDA	RXYA168AAYDA	RXYA192AAYDA
Power supply			3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	144,000 (42.2)	162,000 (47.5)	192,000 (56.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
★2 Heating capacity	Nominal	Btu/h (kW)	162,000 (47.5)	189,000 (55.4)	216,000 (63.3)
	Rated		138,000 (40.4)	156,000 (45.7)	184,000 (53.9)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765)	65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	10.6 + 15.9	12.0 + 18.1	14.9 + 16.0
	Number of revolutions	r/min	4,986 + 4,686	5,652 + 5,352	4,410 + 4,710
	Motor output × Number of units	kW	3.05 + 4.88	3.45 + 5.58	4.59 + 4.91
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.73 x 2	0.73 x 2	0.89 x 2
	Airflow rate	cfm (m³/min)	9,675 (274)	9,675 (274)	13,650 (386.5)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ1/2 (12.7) C1220T (brazing connection)	ϕ1/2 (12.7) C1220T (brazing connection)	ϕ1/2 (12.7) 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)	840 (381)	842 (382)	1,025 (465)
Sound pressure level (reference data)		dB(A)	65	65	67
Sound power level (reference data)		dB	85	85	88
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	4 - 100	4 - 100	6 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA216 / 240AAYDA

Outdoor unit model No.			RXYA216AAYDA	RXYA240AAYDA
Power supply			3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	216,000 (63.3)	238,000 (69.8)
	Rated		206,000 (60.4)	228,000 (66.8)
★2 Heating capacity	Nominal	Btu/h (kW)	243,000 (71.2)	270,000 (79.1)
	Rated		206,000 (60.4)	220,000 (64.5)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	16.8 + 17.8	18.0 + 19.0
	Number of revolutions	r/min	4,950 + 5,250	5,316 + 5,616
	Motor output × Number of units	kW	5.16 + 5.47	5.54 + 5.85
	Starting method		Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan
	Motor output	kW	0.89 x 2	0.89 x 2
	Airflow rate	cfm (m³/min)	14,505 (410.8)	14,505 (410.8)
	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)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (brazing connection)	ϕ1-1/8 (28.6) C1220T (brazing connection)
Weight		lbs (kg)	1,025 (465)	1,025 (465)
Sound pressure level (reference data)		dB(A)	68	69
Sound power level (reference data)		dB	90	90
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer
Capacity control		%	6 - 100	5 - 100
Refrigerant	Refrigerant name		R32	R32
	Charge	lbs (kg)	25.8 (11.7)	25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA264 / 288 / 312AAYDA

Outdoor unit model No. (Combination unit)			RXYA264AAYDA	RXYA288AAYDA	RXYA312AAYDA
Outdoor unit model No.(Independent unit)			RXYA120AAYDA	RXYA144AAYDA	RXYA144AAYDA
			RXYA144AAYDA	RXYA144AAYDA	RXYA168AAYDA
Power supply			3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	264,000 (77.4)	286,000 (83.8)	310,000 (90.9)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
★2 Heating capacity	Nominal	Btu/h (kW)	297,000 (87.0)	324,000 (95.0)	351,000 (103)
	Rated		252,000 (73.9)	274,000 (80.3)	296,000 (86.7)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	(9.8 + 11.2) + (11.3 + 17.1)	(10.4 + 15.6) + (10.4 + 15.6)	(11.3 + 17.1) + (11.3 + 17.1)
	Number of revolutions	r/min	(4,650 + 5,274) + (5,346 + 5,046)	(4,914 + 4,614) + (4,914 + 4,614)	(5,346 + 5,046) + (5,346 + 5,046)
	Motor output × Number of units	kW	(2.84 + 3.22) + (3.27 + 5.26)	(3.00 + 4.81) + (3.00 + 4.81)	(3.27 + 5.26) + (3.27 + 5.26)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.73 x 2 + 0.73 x 2	0.73 x 2 + 0.73 x 2	0.73 x 2 + 0.73 x 2
	Airflow rate	cfm (m³/min)	8,965 (253.9)+9,675 (274)	9,675 (274)+9,675 (274)	9,675 (274)+9,675 (274)
	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)	ϕ5/8 (15.9) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ1-1/8 (28.6) C1220T (brazing connection)	ϕ1-3/8 (34.9) C1220T (brazing connection)	ϕ1-3/8 (34.9) C1220T (brazing connection)
Weight		lbs (kg)	754 (342)+840 (381)	840 (381)+840 (381)	840 (381)+842 (382)
Sound pressure level (reference data)		dB(A)	67	69	69
Sound power level (reference data)		dB	88	89	89
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	2 - 100	2 - 100	2 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA336 / 360 /384AAYDA

Outdoor unit model No. (Combination unit)			RXYA336AAYDA	RXYA360AAYDA	RXYA384AAYDA
Outdoor unit model No.(Independent unit)			RXYA168AAYDA	RXYA168AAYDA	RXYA192AAYDA
			RXYA168AAYDA	RXYA192AAYDA	RXYA192AAYDA
Power supply			3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	330,000 (96.7)	358,000 (105)	382,000 (112)
	Rated		316,000 (92.6)	342,000 (100)	364,000 (107)
★2 Heating capacity	Nominal	Btu/h (kW)	378,000 (111)	405,000 (119)	432,000 (127)
	Rated		310,000 (90.9)	342,000 (100)	364,000 (107)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 × 48-13/16 × 30-1/8 (1,660 × 1,240 × 765 + 1,660 × 1,240 × 765)	65-3/8 × 48-13/16 × 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 × 1,240 × 765 + 1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	(12.0 + 18.1) + (12.0 + 18.1)	(11.0 + 16.6) + (16.5 + 17.6)	(15.2 + 16.2) + (15.2 + 16.2)
	Number of revolutions	r/min	(5,652 + 5,352) + (5,652 + 5,352)	(5,202 + 4,896) + (4,878 + 5,178)	(4,476 + 4,776) + (4,476 + 4,776)
	Motor output × Number of units	kW	(3.45 + 5.58) + (3.45 + 5.58)	(3.18 + 5.10) + (5.08 + 5.39)	(4.66 + 4.98) + (4.66 + 4.98)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.73 x 2 + 0.73 x 2	0.73 x 2 + 0.89 x 2	0.89 x 2 + 0.89 x 2
	Airflow rate	cfm (m³/min)	9,675 (274)+9,675 (274)	9,675 (274)+13,650 (386.5)	13,650 (386.5)+13,650 (386.5)
	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)	ϕ5/8 (15.9) 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)	842 (382)+842 (382)	842 (382)+1,025 (465)	1,025 (465)+1,025 (465)
Sound pressure level (reference data)		dB(A)	69	70	71
Sound power level (reference data)		dB	89	91	93
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	2 - 100	2 - 100	3 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA408 / 432 / 456AAYDA

Outdoor unit model No. (Combination unit)			RXYA408AAYDA	RXYA432AAYDA	RXYA456AAYDA
Outdoor unit model No.(Independent unit)			RXYA192AAYDA	RXYA216AAYDA	RXYA216AAYDA
			RXYA216AAYDA	RXYA216AAYDA	RXYA240AAYDA
Power supply			3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V	3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	406,000 (119)	430,000 (126)	444,000 (130)
	Rated		388,000 (114)	410,000 (120)	424,000 (124)
★2 Heating capacity	Nominal	Btu/h (kW)	459,000 (135)	486,000 (142)	513,000 (150)
	Rated		388,000 (114)	404,000 (118)	414,000 (121)
Casing color			Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)	Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil	Cross fin coil	Cross fin coil
Compressor	Type		Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
	Volume	m³/h	(16.3 + 17.3) + (17.0 + 18.0)	(18.0 + 19.0) + (18.0 + 19.0)	(19.1 + 20.1) + (19.1 + 20.1)
	Number of revolutions	r/min	(4,806 + 5,112) + (5,022 + 5,322)	(5,316 + 5,616) + (5,316 + 5,616)	(5,628 + 5,934) + (5,628 + 5,934)
	Motor output × Number of units	kW	(5.01 + 5.33) + (5.23 + 5.54)	(5.54 + 5.85) + (5.54 + 5.85)	(5.86 + 6.18) + (5.86 + 6.18)
	Starting method		Soft start	Soft start	Soft start
Fan	Type		Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	0.89 x 2 + 0.89 x 2	0.89 x 2 + 0.89 x 2	0.89 x 2 + 0.89 x 2
	Airflow rate	cfm (m³/min)	13,650 (386.5)+14,505 (410.8)	14,505 (410.8)+14,505 (410.8)	14,505 (410.8)+14,505 (410.8)
	Drive		Direct drive	Direct drive	Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (brazing connection)	ϕ3/4 (19.1) C1220T (brazing connection)	ϕ3/4 (19.1) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (brazing connection)	ϕ1-5/8 (41.3) C1220T (brazing connection)	ϕ1-5/8 (41.3) C1220T (brazing connection)
Weight		lbs (kg)	1,025 (465)+1,025 (465)	1,025 (465)+1,025 (465)	1,025 (465)+1,025 (465)
Sound pressure level (reference data)		dB(A)	71	72	72
Sound power level (reference data)		dB	94	95	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer	Deicer	Deicer
Capacity control		%	3 - 100	3 - 100	3 - 100
Refrigerant	Refrigerant name		R32	R32	R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations	Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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.

RXYA480AAYDA

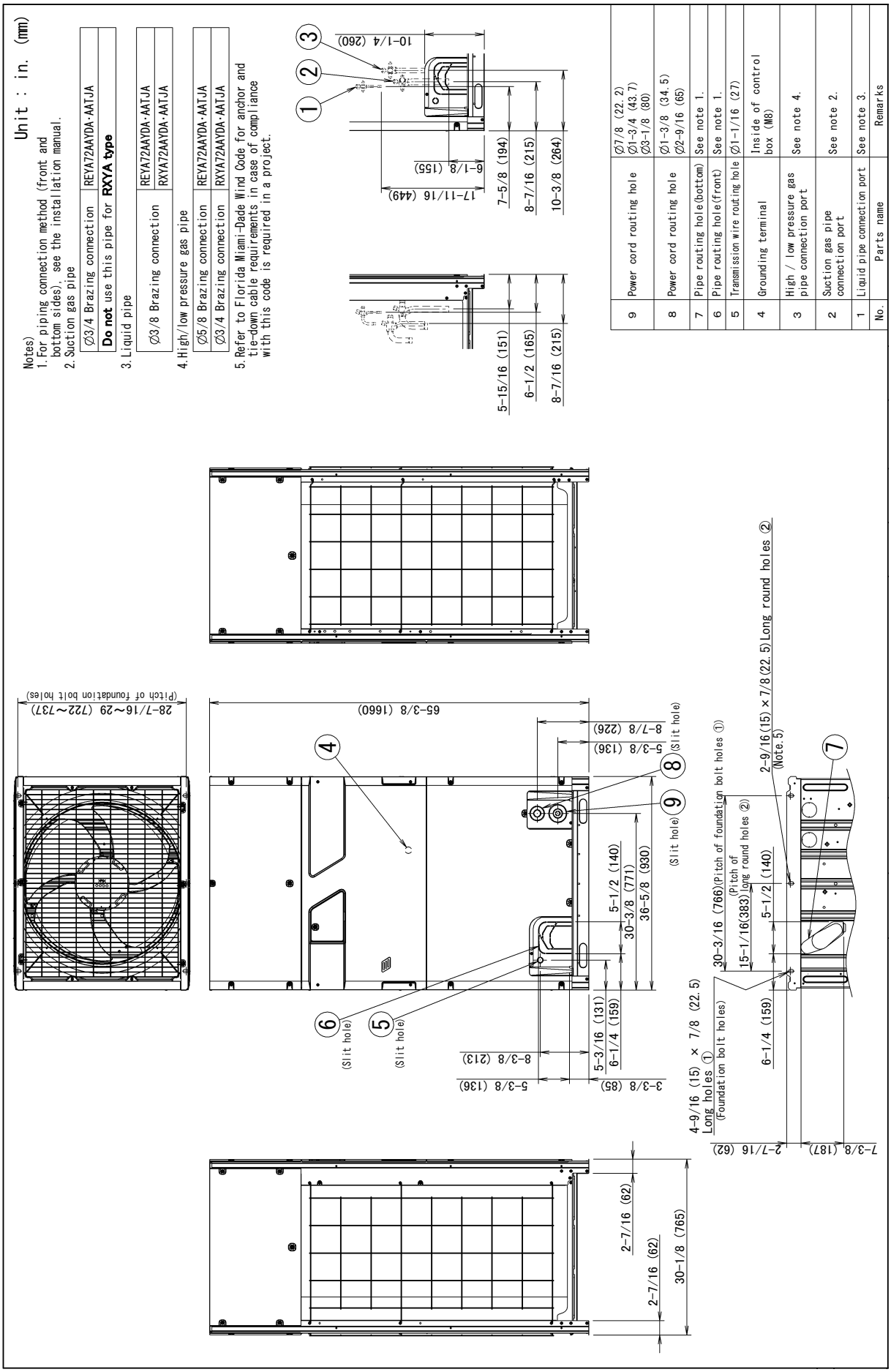
Outdoor unit model No. (Combination unit)			RXYA480AAYDA
Outdoor unit model No.(Independent unit)			RXYA240AAYDA
			RXYA240AAYDA
Power supply			3 phase, 60 Hz, 460V
★1 Cooling capacity	Nominal	Btu/h (kW)	456,000 (134)
	Rated		436,000 (128)
★2 Heating capacity	Nominal	Btu/h (kW)	540,000 (158)
	Rated		418,000 (123)
Casing color			Ivory white (5Y7.5/1)
Dimensions: (H × W × D)		in. (mm)	65-3/8 x 68-7/8 x 30-1/8 + 65-3/8 x 68-7/8 x 30-1/8 (1,660 x 1,750 x 765 + 1,660 x 1,750 x 765)
Heat exchanger			Cross fin coil
Compressor	Type		Hermetically sealed scroll type
	Volume	m³/h	(19.9 + 21.0) + (19.9 + 21.0)
	Number of revolutions	r/min	(5,874 + 6,180) + (5,874 + 6,180)
	Motor output × Number of units	kW	(6.12 + 6.44) + (6.12 + 6.44)
	Starting method		Soft start
Fan	Type		Propeller fan
	Motor output	kW	0.89 x 2 + 0.89 x 2
	Airflow rate	cfm (m³/min)	14,505 (410.8)+14,505 (410.8)
	Drive		Direct drive
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/4 (19.1) C1220T (brazing connection)
	Gas pipe	in. (mm)	ϕ1-5/8 (41.3) C1220T (brazing connection)
Weight		lbs (kg)	1,025 (465)+1,025 (465)
Sound pressure level (reference data)		dB(A)	73
Sound power level (reference data)		dB	95
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device
Defrost method			Deicer
Capacity control		%	3 - 100
Refrigerant	Refrigerant name		R32
	Charge	lbs (kg)	25.8 (11.7)+25.8 (11.7)
	Control		Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Connection pipes, Clamps, General safety considerations

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

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

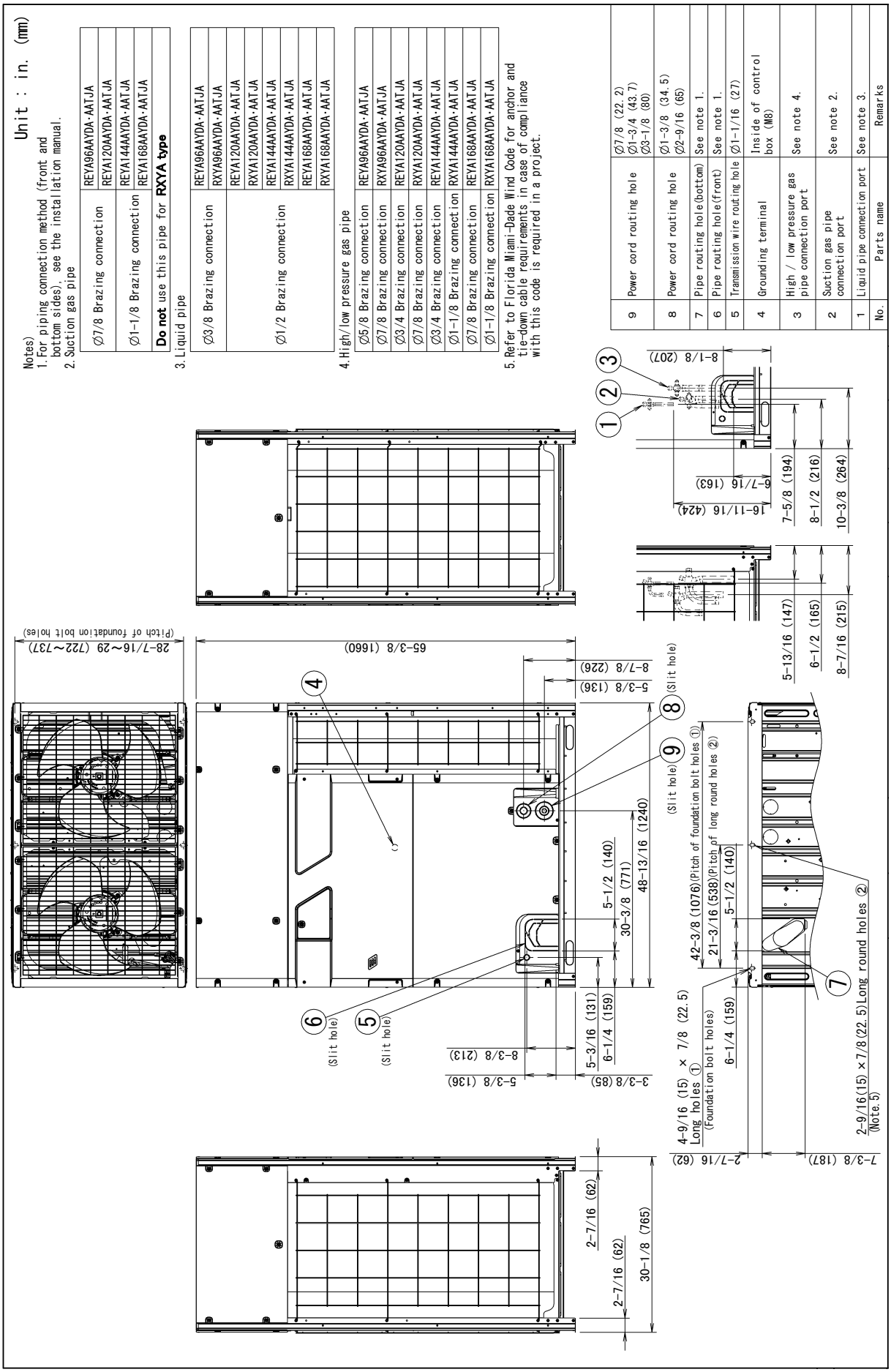
2. Dimensions

RXYA72AATJA / AAYDA



3D159160A

RXYA96 / 120 / 144 / 168AATJA / AAYDA



∅7/8 Brazing connection	REYA96AAYDA-AATJA	
	REYA120AAYDA-AATJA	
∅1-1/8 Brazing connection	REYA144AAYDA-AATJA	
	REYA168AAYDA-AATJA	
Do not use this pipe for **RXYA type**		

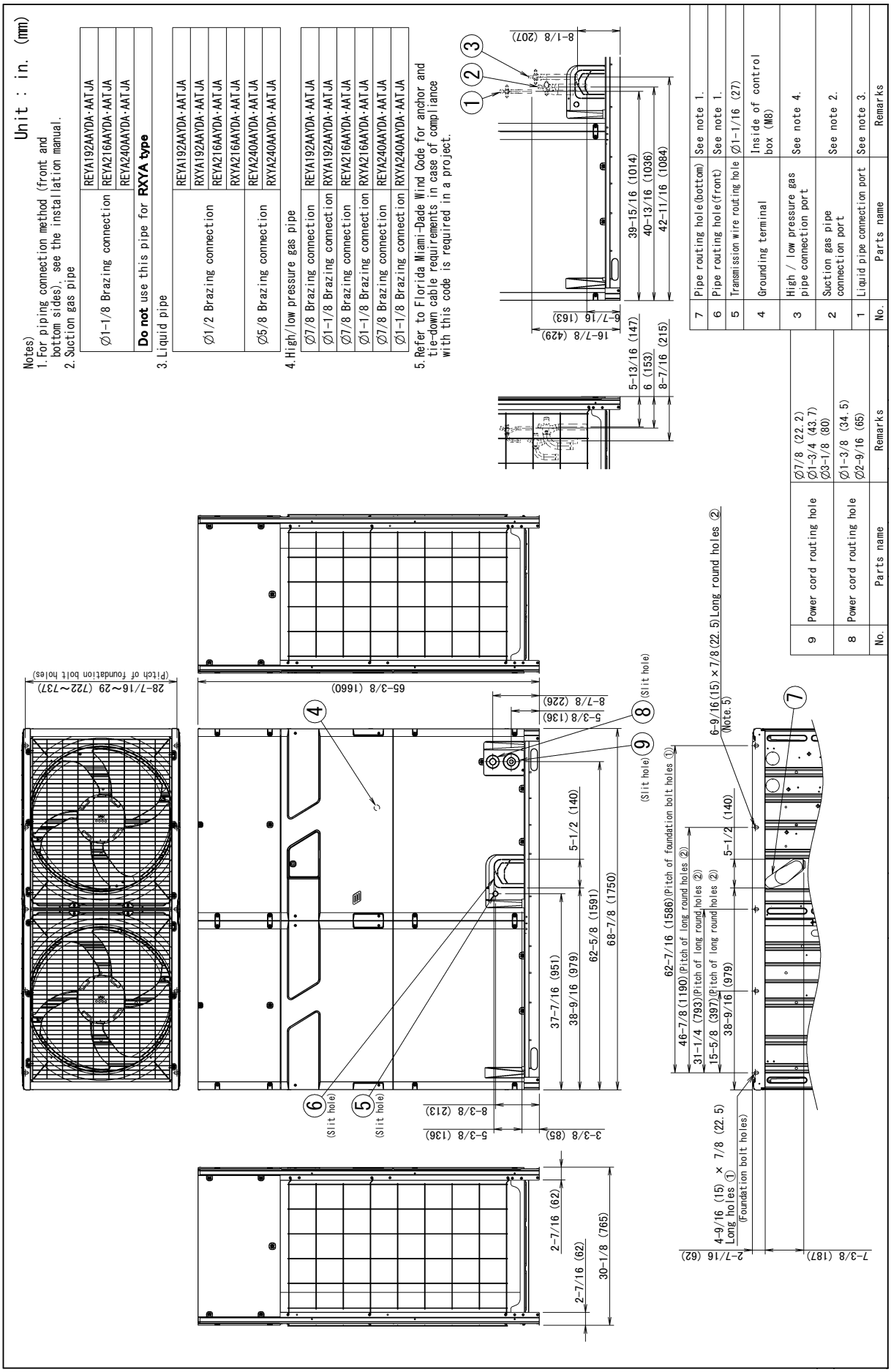
∅3/8 Brazing connection	REYA96AAYDA-AATJA
	RXYA96AAYDA-AATJA
∅1/2 Brazing connection	REYA120AAYDA-AATJA
	RXYA120AAYDA-AATJA
	REYA144AAYDA-AATJA
	RXYA144AAYDA-AATJA
	REYA168AAYDA-AATJA
	RXYA168AAYDA-AATJA

∅5/8 Brazing connection	REYA96AAYDA-AATJA
∅7/8 Brazing connection	RXYA96AAYDA-AATJA
∅3/4 Brazing connection	REYA120AAYDA-AATJA
∅7/8 Brazing connection	RXYA120AAYDA-AATJA
∅3/4 Brazing connection	REYA144AAYDA-AATJA
∅1-1/8 Brazing connection	RXYA144AAYDA-AATJA
∅7/8 Brazing connection	REYA168AAYDA-AATJA
∅1-1/8 Brazing connection	RXYA168AAYDA-AATJA

No.	Parts name	Remarks
9	Power cord routing hole	∅7/8 (22.2) ∅1-3/4 (43.7) ∅3-1/8 (80)
8	Power cord routing hole	∅1-3/8 (34.5) ∅2-9/16 (65)
7	Pipe routing hole(bottom)	See note 1.
6	Pipe routing hole(front)	See note 1.
5	Transmission wire routing hole	∅1-1/16 (27)
4	Grounding terminal	Inside of control box (M8)
3	High / low pressure gas pipe connection port	See note 4.
2	Suction gas pipe connection port	See note 2.
1	Liquid pipe connection port	See note 3.

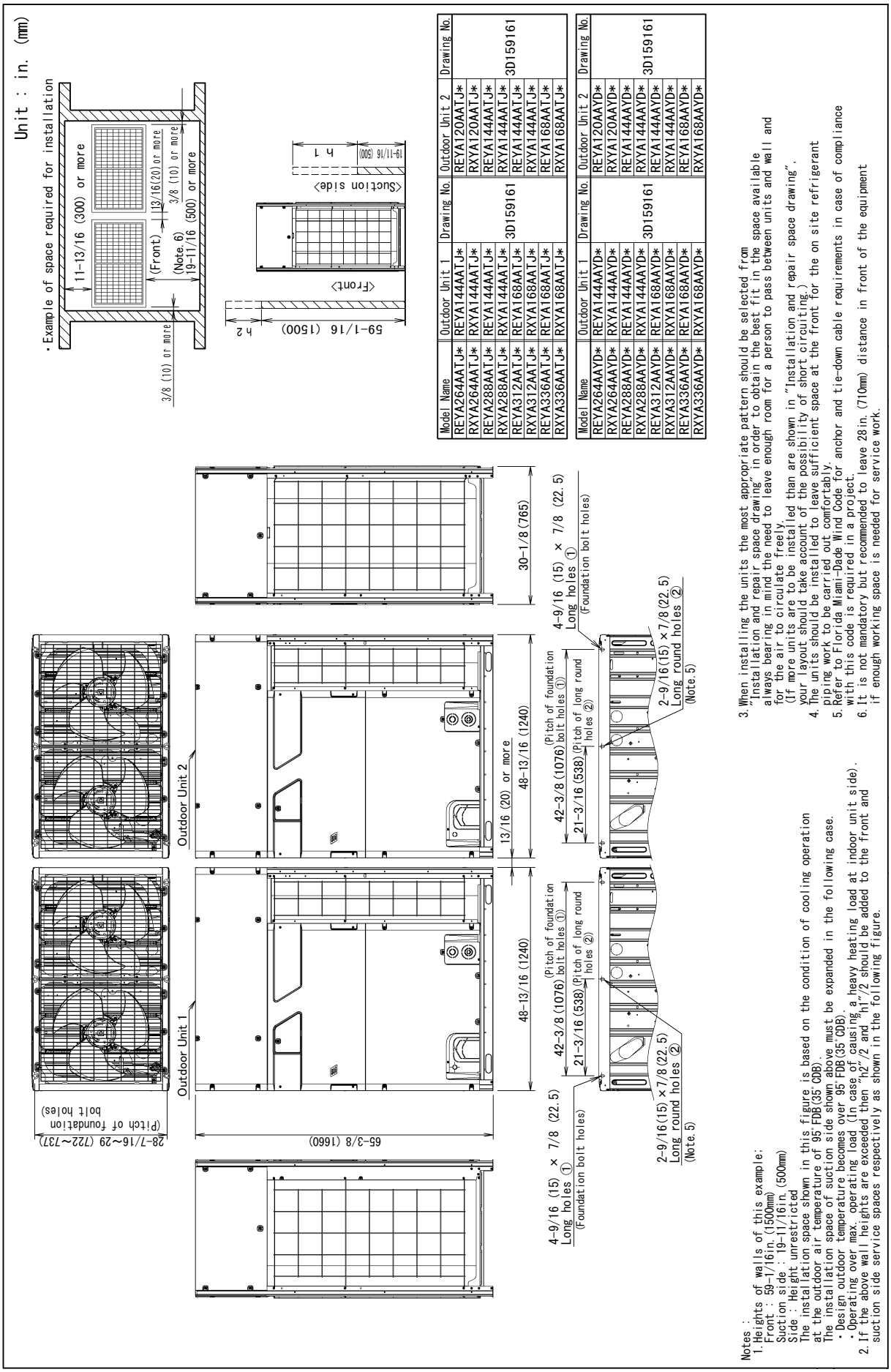
3D159161A

RXYA192 / 216 / 240AATJA / AAYDA



3D159162A

RXYA264 / 288 / 312 / 336AATJA / AAYDA



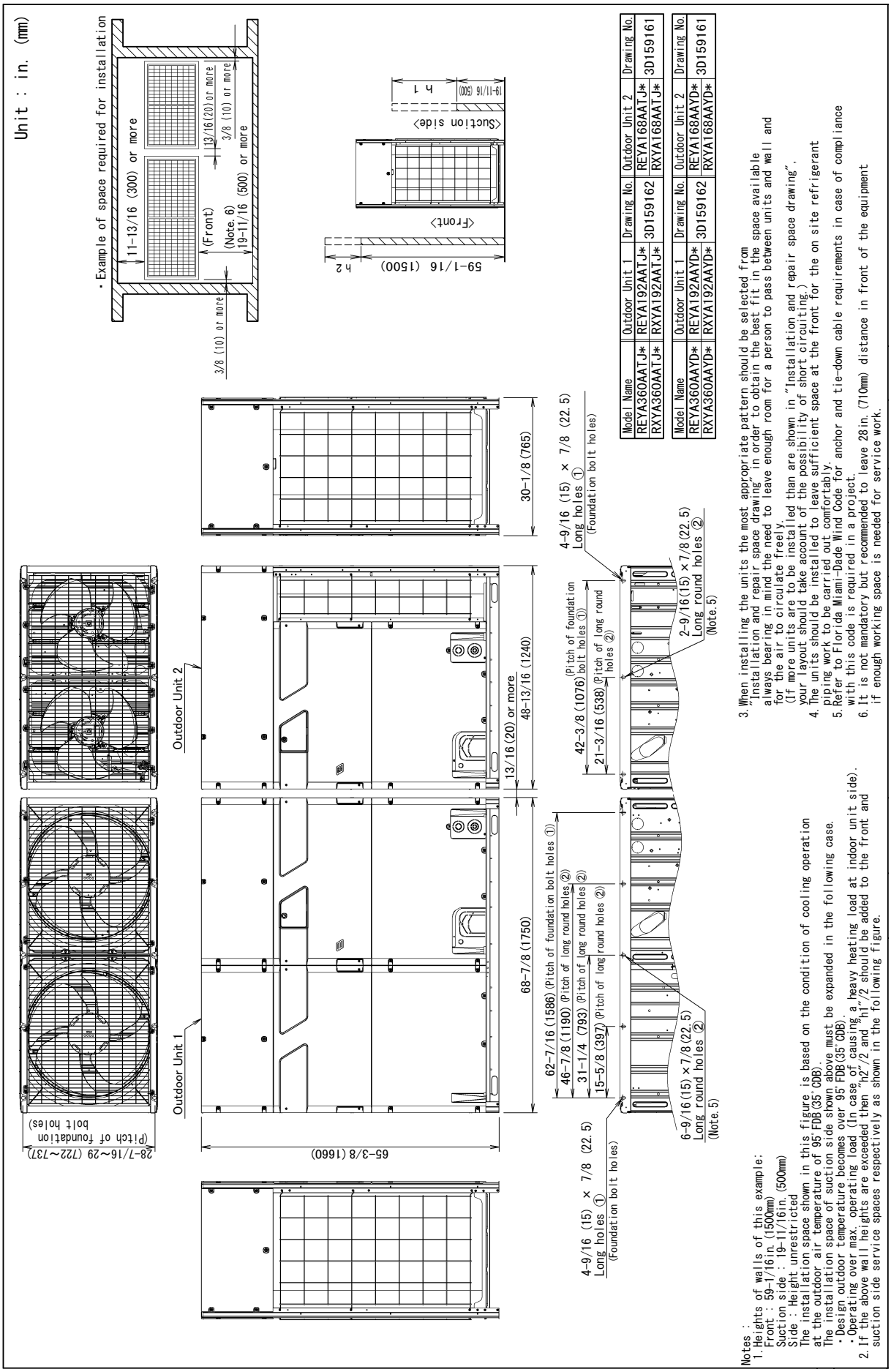
Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYA264AATJ*	REYA144AATJ*	3D159161	REYA120AATJ*	3D159161
RXYA264AATJ*	RXYA144AATJ*		RXYA120AATJ*	
REYA288AATJ*	REYA144AATJ*		REYA144AATJ*	
RXYA288AATJ*	RXYA144AATJ*		RXYA144AATJ*	
REYA312AATJ*	REYA168AATJ*		REYA144AATJ*	
RXYA312AATJ*	RXYA168AATJ*		RXYA144AATJ*	
REYA336AATJ*	REYA168AATJ*		REYA168AATJ*	
RXYA336AATJ*	RXYA168AATJ*		RXYA168AATJ*	

Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYA264AAYD*	REYA144AAYD*	3D159161	REYA120AAYD*	3D159161
RXYA264AAYD*	RXYA144AAYD*		RXYA120AAYD*	
REYA288AAYD*	REYA144AAYD*		REYA144AAYD*	
RXYA288AAYD*	RXYA144AAYD*		RXYA144AAYD*	
REYA312AAYD*	REYA168AAYD*		REYA144AAYD*	
RXYA312AAYD*	RXYA168AAYD*		RXYA144AAYD*	
REYA336AAYD*	REYA168AAYD*		REYA168AAYD*	
RXYA336AAYD*	RXYA168AAYD*		RXYA168AAYD*	

Notes :
1. Heights of walls of this example;
   Front : 59-1/16in. (1500mm)
   Suction side : 19-11/16in. (500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB(35°CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95°FDB(35°CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side).
2. If the above wall heights are exceeded then "h2"/2 and "h1"/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. Refer to Florida Miami-Dade Wind Code for anchor and tie-down cable requirements in case of compliance with this code is required in a project.
6. It is not mandatory but recommended to leave 28in. (710mm) distance in front of the equipment if enough working space is needed for service work.

3D159163B

RXYA360AATJA / AAYDA

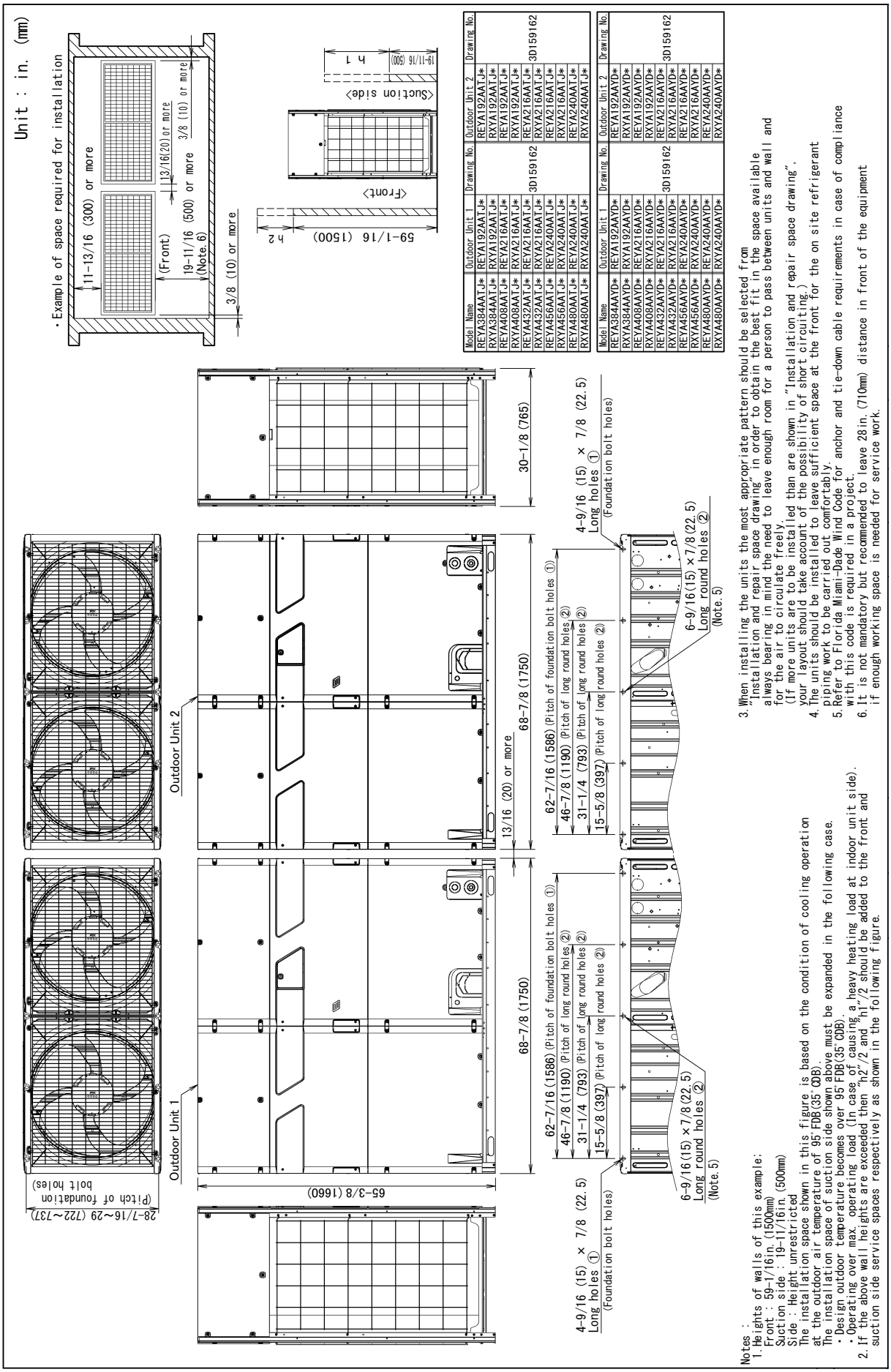


Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYA360AATJ*	REYA192AATJ*	3D159162	REYA168AATJ*	3D159161
RXYA360AATJ*	RXYA192AATJ*		RXYA168AATJ*	

Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYA360AAYD*	REYA192AAYD*	3D159162	REYA168AAYD*	3D159161
RXYA360AAYD*	RXYA192AAYD*		RXYA168AAYD*	

Notes :
1. Heights of walls of this example:
   Front : 59-1/16in. (1500mm)
   Suction side : 19-11/16in. (500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB(35°CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95°FDB(35°CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side).
2. If the above wall heights are exceeded then "h2"/2 and "h1"/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. Refer to Florida Miami-Dade Wind Code for anchor and tie-down cable requirements in case of compliance with this code is required in a project.
6. It is not mandatory but recommended to leave 28in. (710mm) distance in front of the equipment if enough working space is needed for service work.

RXYA384 / 408 / 432 / 456 / 480AATJA / AAYDA



Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYA384AATJ*	REYA192AATJ*	3D159162	REYA192AATJ*	3D159162
RXYA384AATJ*	RXYA192AATJ*		RXYA192AATJ*	
REYA408AATJ*	REYA216AATJ*		REYA192AATJ*	
RXYA408AATJ*	RXYA216AATJ*		RXYA192AATJ*	
REYA432AATJ*	REYA216AATJ*		REYA216AATJ*	
RXYA432AATJ*	RXYA216AATJ*		RXYA216AATJ*	
REYA456AATJ*	REYA240AATJ*		REYA216AATJ*	
RXYA456AATJ*	RXYA240AATJ*		RXYA216AATJ*	
REYA480AATJ*	REYA240AATJ*		REYA240AATJ*	
RXYA480AATJ*	RXYA240AATJ*		RXYA240AATJ*	

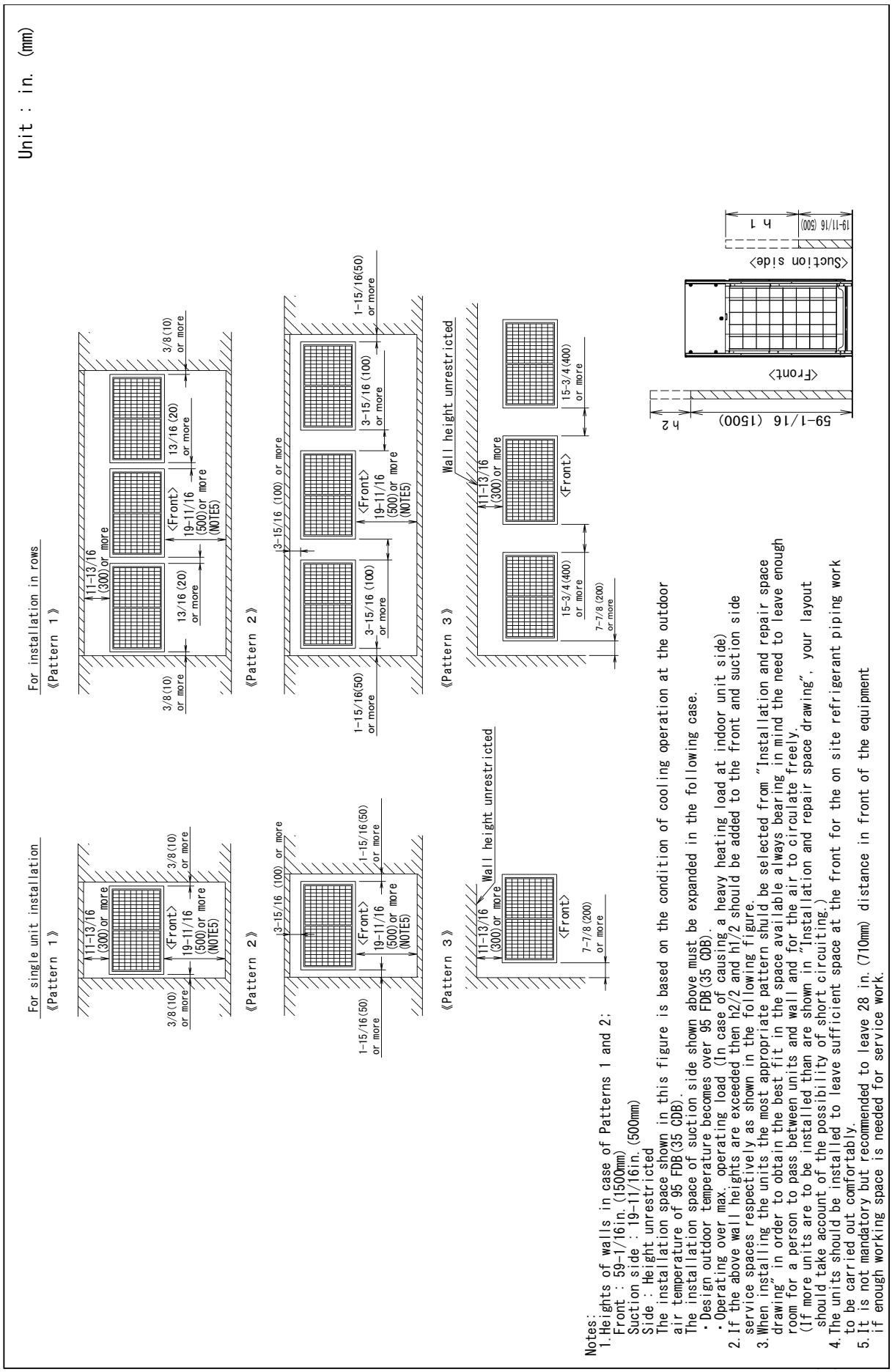
Model Name	Outdoor Unit 1	Drawing No.	Outdoor Unit 2	Drawing No.
REYA384AAYD*	REYA192AAYD*	3D159162	REYA192AAYD*	3D159162
RXYA384AAYD*	RXYA192AAYD*		RXYA192AAYD*	
REYA408AAYD*	REYA216AAYD*		REYA192AAYD*	
RXYA408AAYD*	RXYA216AAYD*		RXYA192AAYD*	
REYA432AAYD*	REYA216AAYD*		REYA216AAYD*	
RXYA432AAYD*	RXYA216AAYD*		RXYA216AAYD*	
REYA456AAYD*	REYA240AAYD*		REYA216AAYD*	
RXYA456AAYD*	RXYA240AAYD*		RXYA216AAYD*	
REYA480AAYD*	REYA240AAYD*		REYA240AAYD*	
RXYA480AAYD*	RXYA240AAYD*		RXYA240AAYD*	

Notes :
1. Heights of walls of this example;
   Front : 59-1/16in.(1500mm)
   Suction side : 19-11/16in.(500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95°FDB(35°CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95°FDB(35°CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side).
2. If the above wall heights are exceeded then "h2"/2 and "h1"/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. Refer to Florida Miami-Dade Wind Code for anchor and tie-down cable requirements in case of compliance with this code is required in a project.
6. It is not mandatory but recommended to leave 28in.(710mm) distance in front of the equipment if enough working space is needed for service work.

3D159164B

3. Service Space

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA / AAYDA



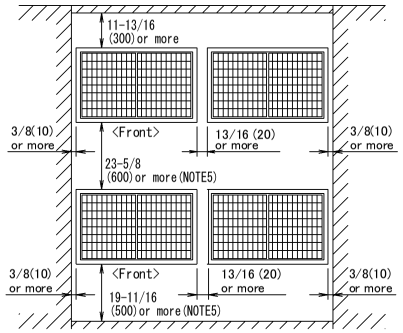
Notes:
1. Heights of walls in case of Patterns 1 and 2;
   Front : 59-1/16in.(1500mm)
   Suction side : 19-11/16in.(500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95 FDB(35 CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95 FDB(35 CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern should be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. It is not mandatory but recommended to leave 28 in. (710mm) distance in front of the equipment if enough working space is needed for service work.

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA / AAYDA

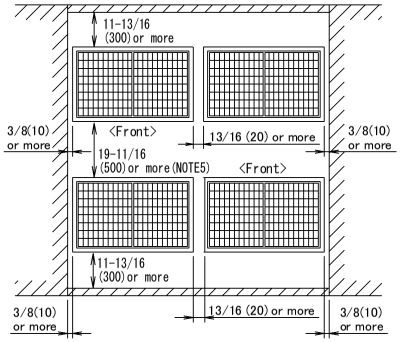
Unit : in. (mm)

For centralized group layout

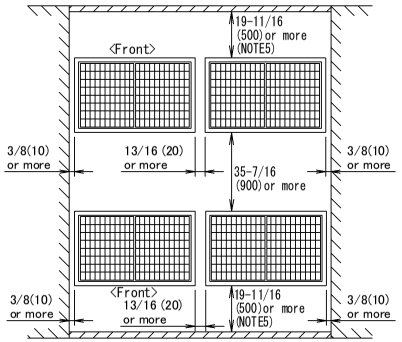
《Pattern 1》



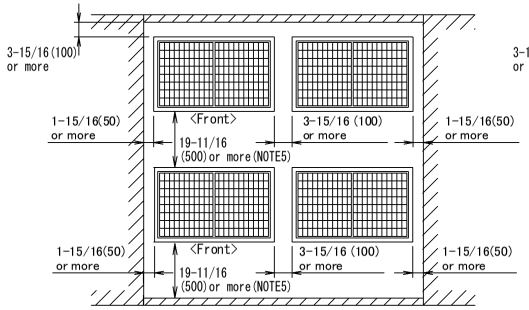
《Pattern 1》



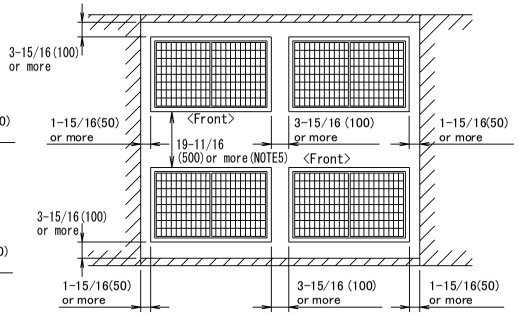
《Pattern 1》



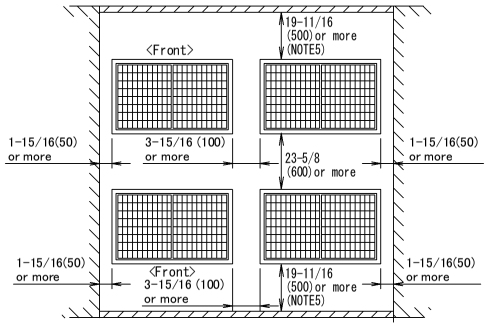
《Pattern 2》

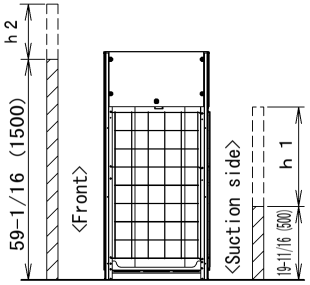


《Pattern 2》



《Pattern 2》



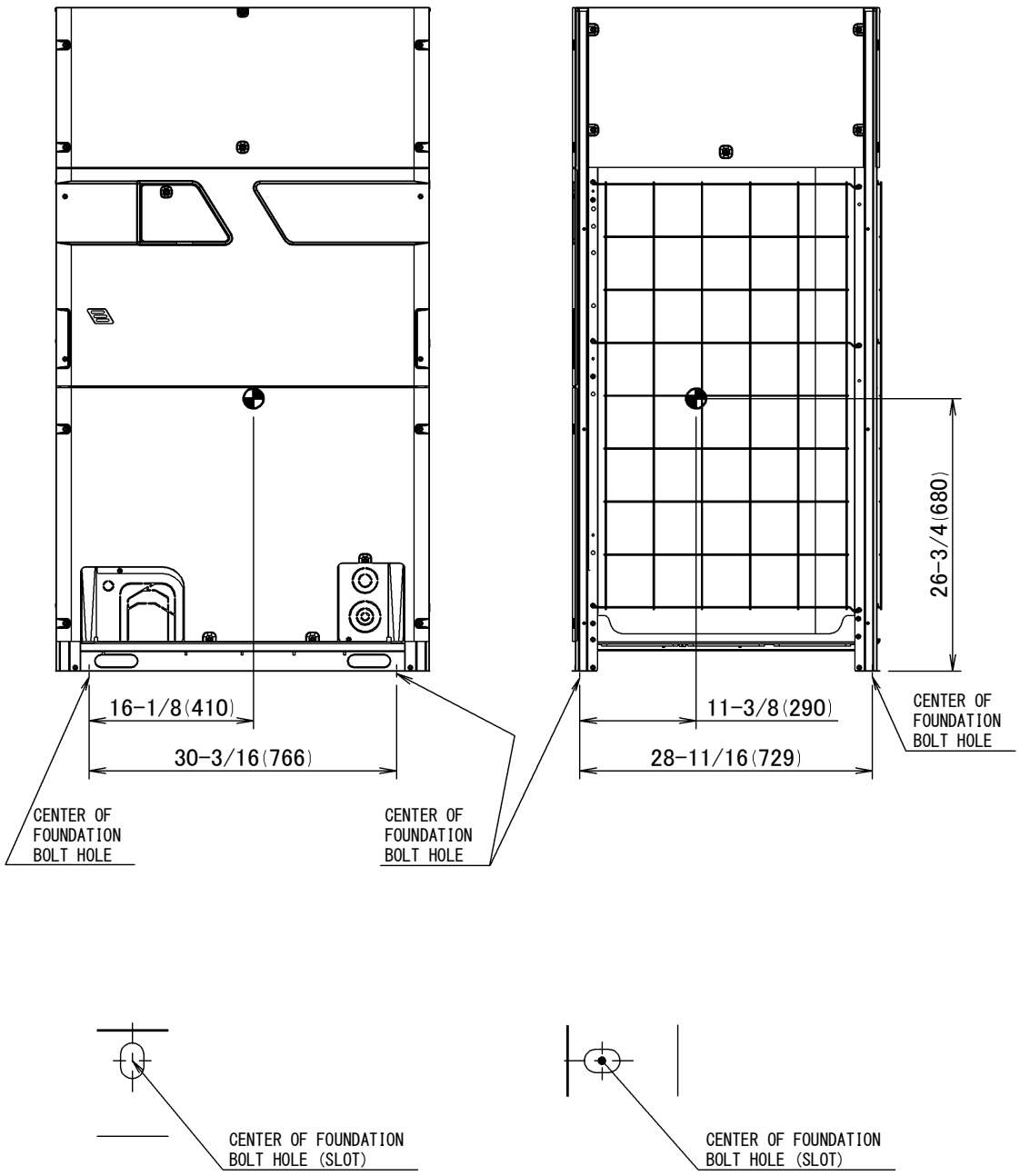


Notes:

1. Heights of walls in case of Patterns 1 and 2;
   Front : 59-1/16in. (1500mm)
   Suction side : 19-11/16in. (500mm)
   Side : Height unrestricted
   The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 95 FDB(35 CDB).
   The installation space of suction side shown above must be expanded in the following case.
   ・Design outdoor temperature becomes over 95 FDB(35 CDB).
   ・Operating over max. operating load (In case of causing a heavy heating load at indoor unit side)
2. If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
3. When installing the units the most appropriate pattern shuld be selected from "Installation and repair space drawing" in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely.
   (If more units are to be installed than are shown in "Installation and repair space drawing", your layout should take account of the possibility of short circuiting.)
4. The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5. It is not mandatory but recommended to leave 28 in. (710mm) distance in front of the equipment if enough working space is needed for service work.

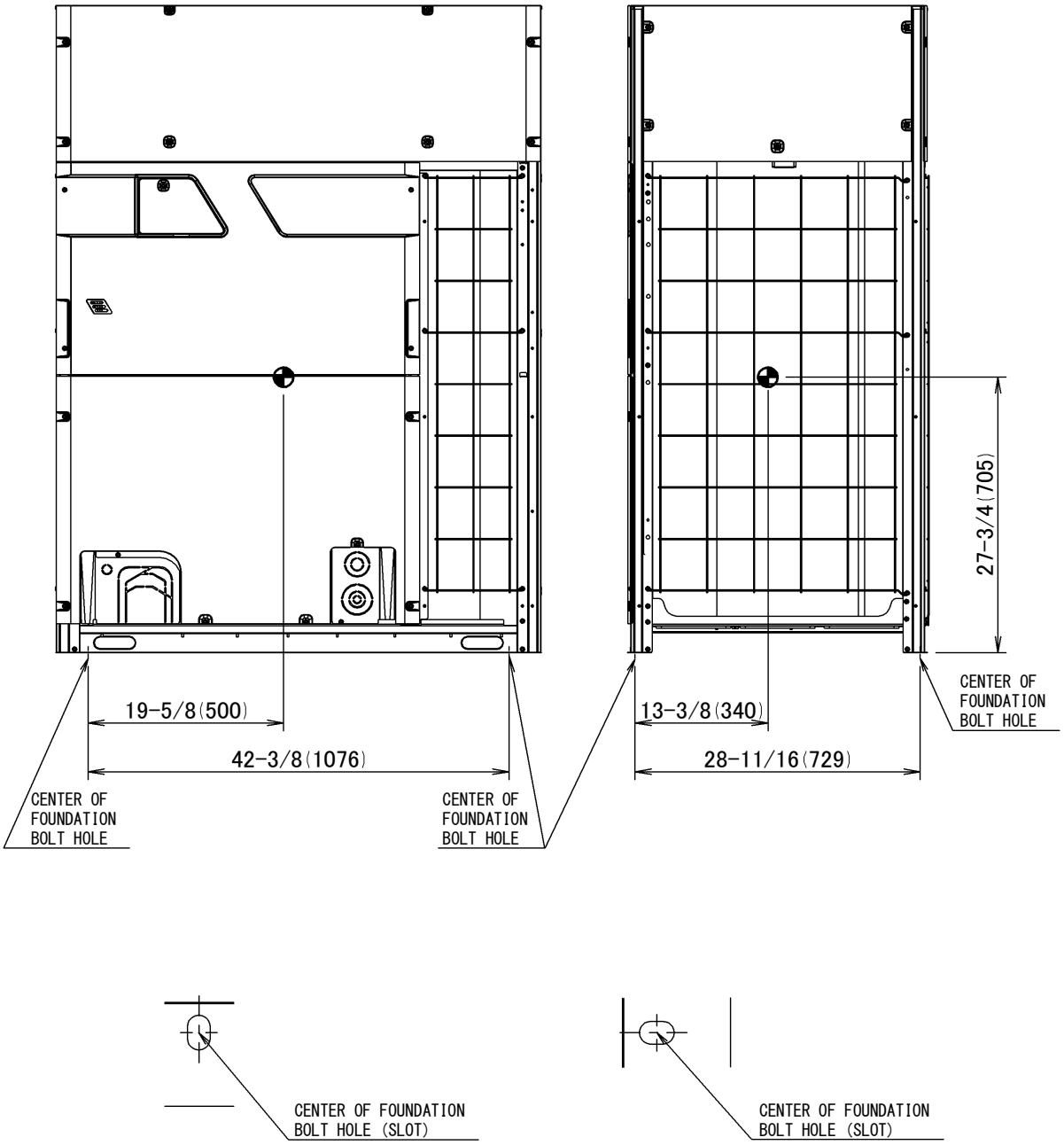
4. Center of Gravity

RXYA72AATJA / AAYDA



RXYA96 / 120 / 144 / 168AATJA / AAYDA

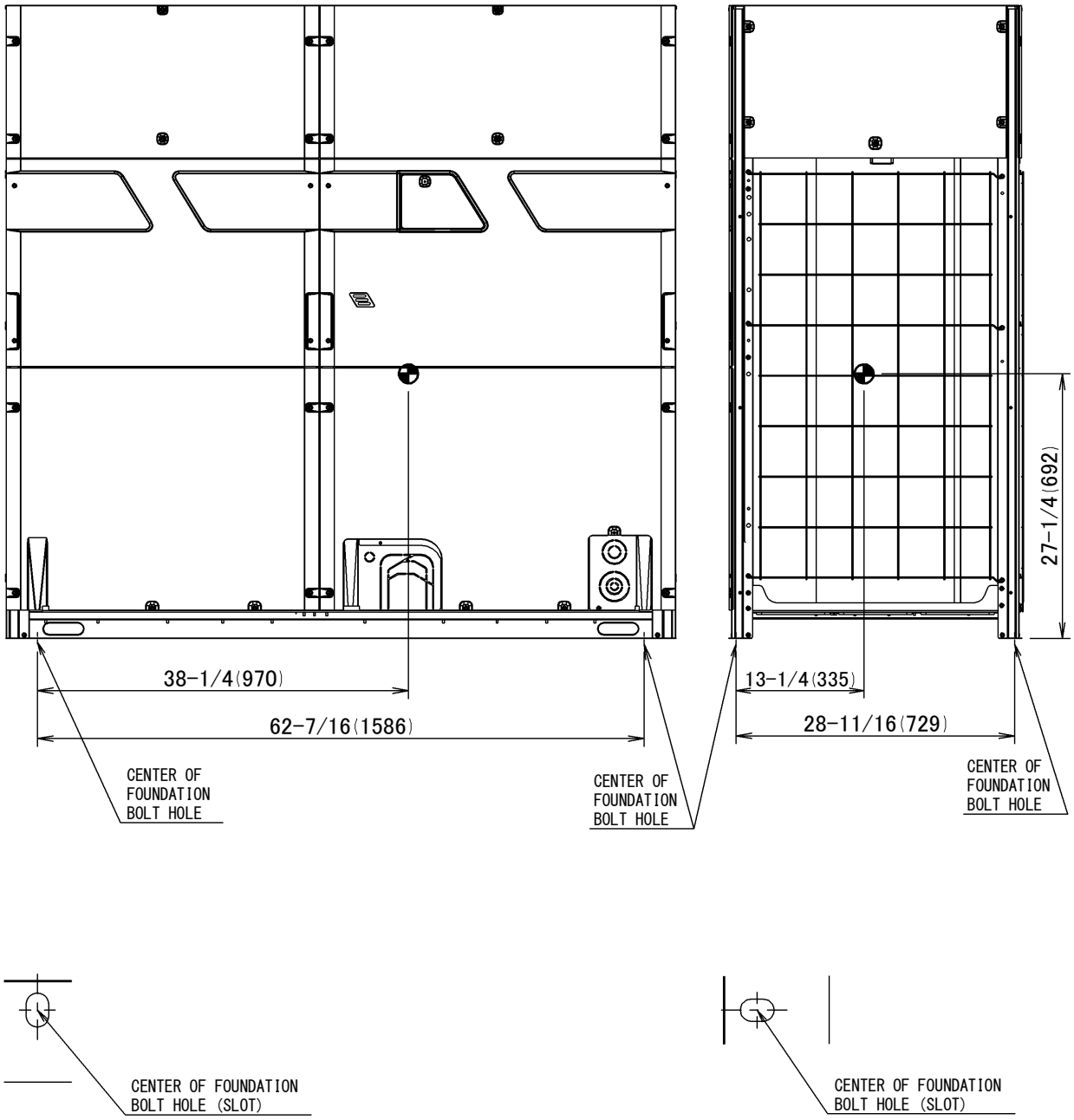
Unit : in. (mm)



4D159479

RXYA192 / 216 / 240AATJA / AAYDA

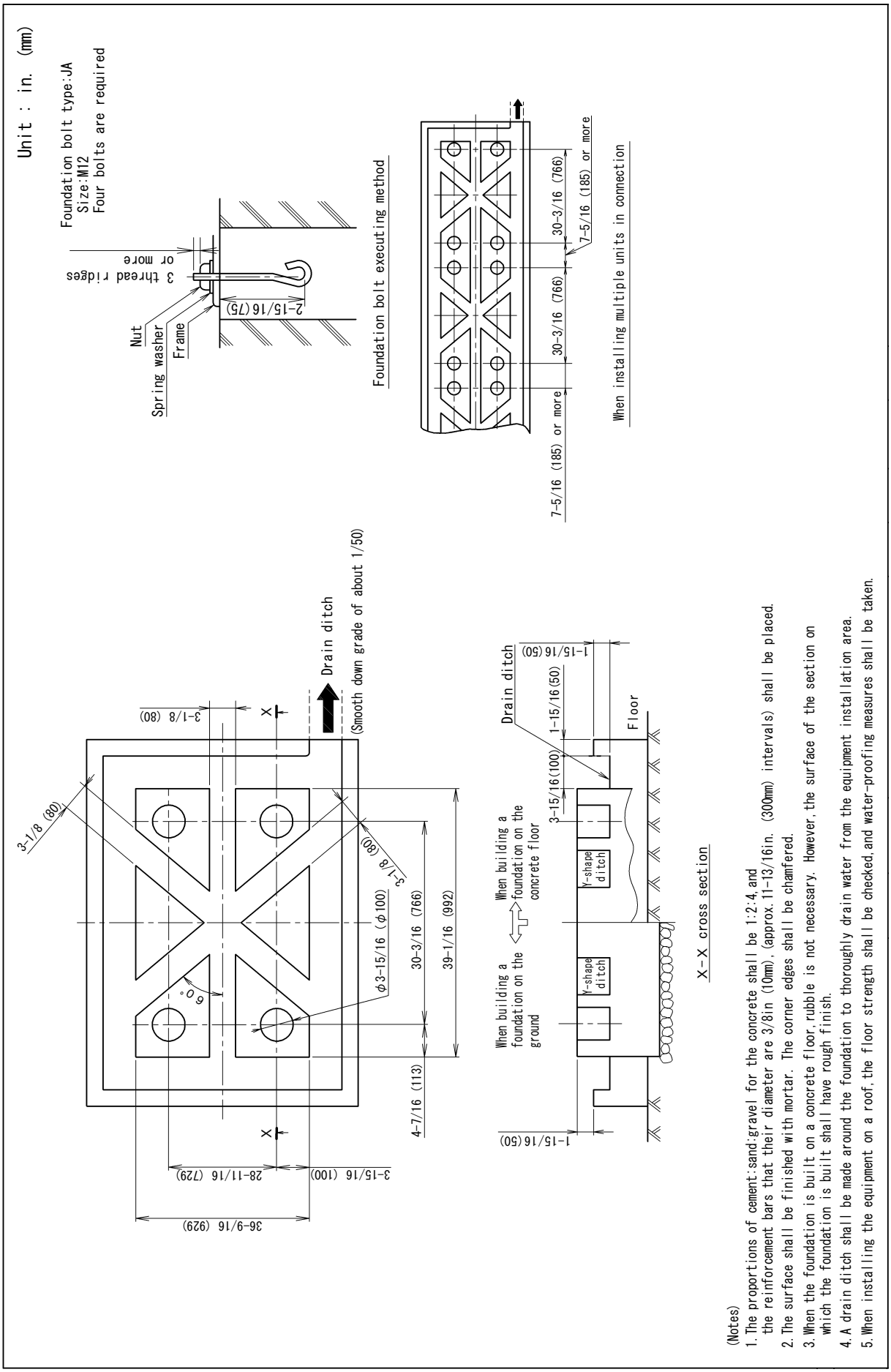
Unit : in. (mm)



4D159480

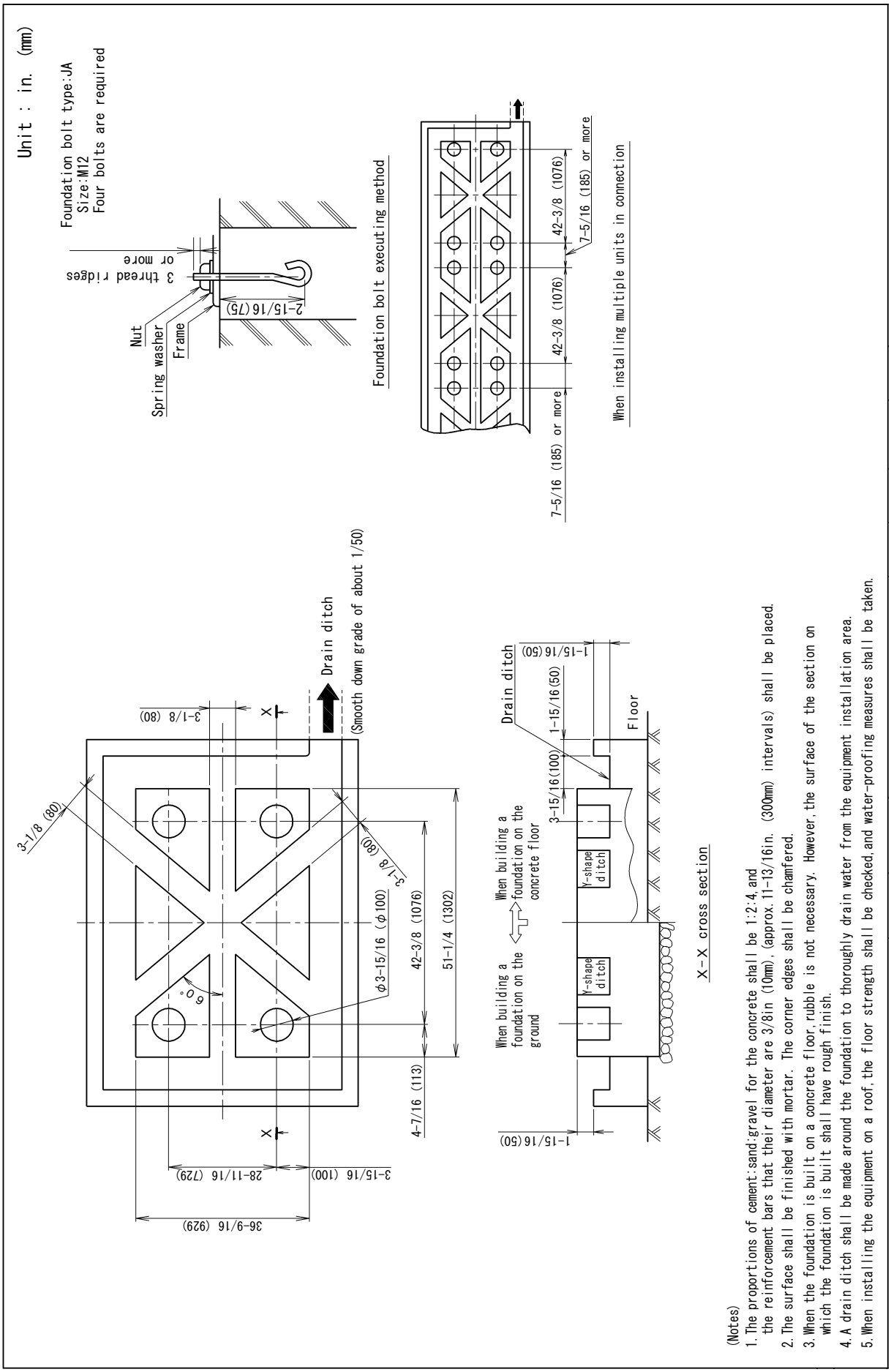
5. Foundation Drawing

RXYA72AATJA / AAYDA



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

RXYA96 / 120 / 144 / 168AATJA / AAYDA



(Notes)

1. The proportions of cement:sand:gravel for the concrete shall be 1:2:4, and the reinforcement bars that their diameter are 3/8in (10mm), (approx. 11-13/16in. (300mm) intervals) shall be placed.
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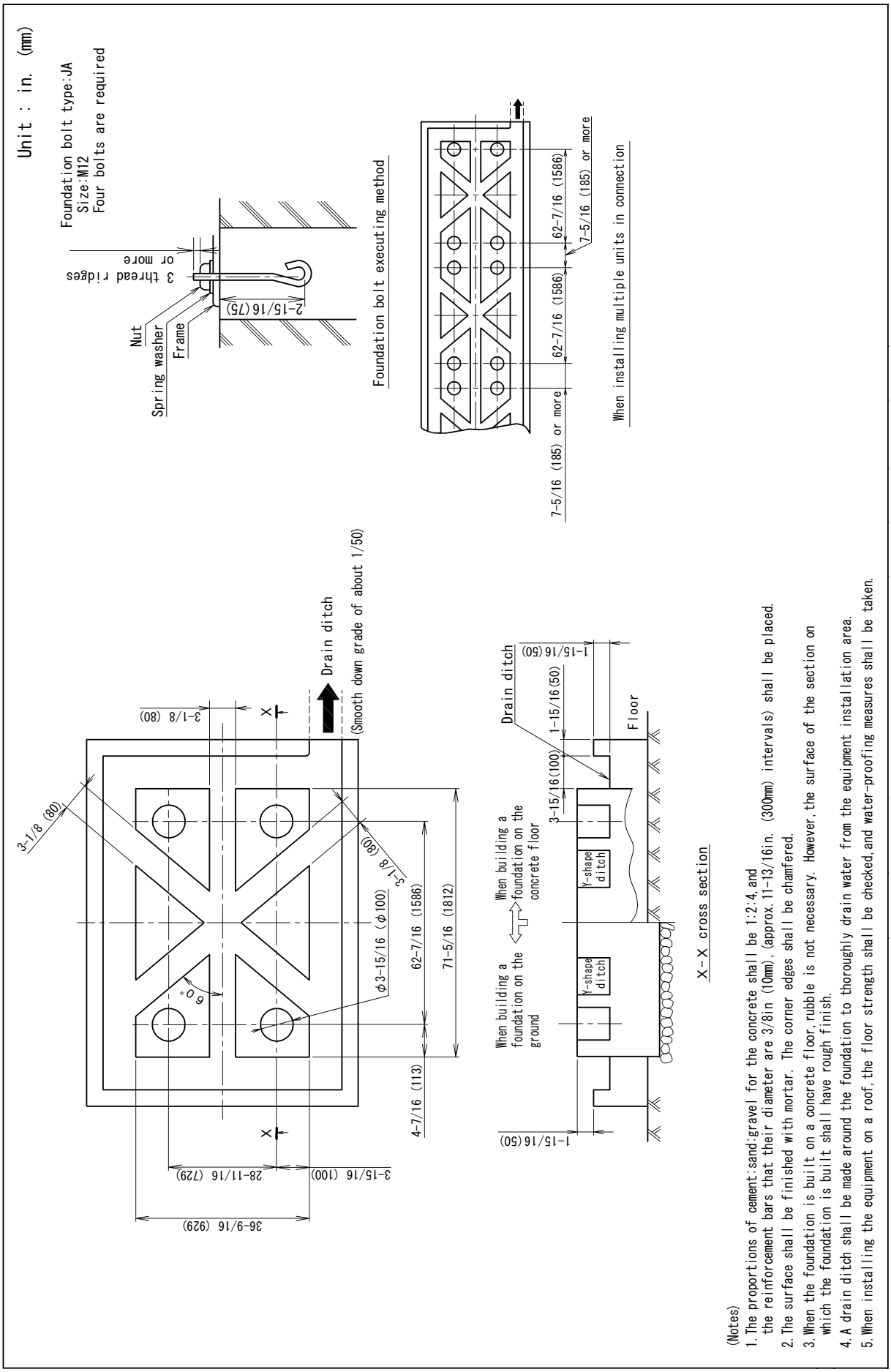
4. A drain ditch shall be made around the foundation to thoroughly drain water from the equipment installation area.
5. When installing the equipment on a roof, the floor strength shall be checked, and water-proofing measures shall be taken.

RXYA192 / 216 / 240AATJA / AAYDA

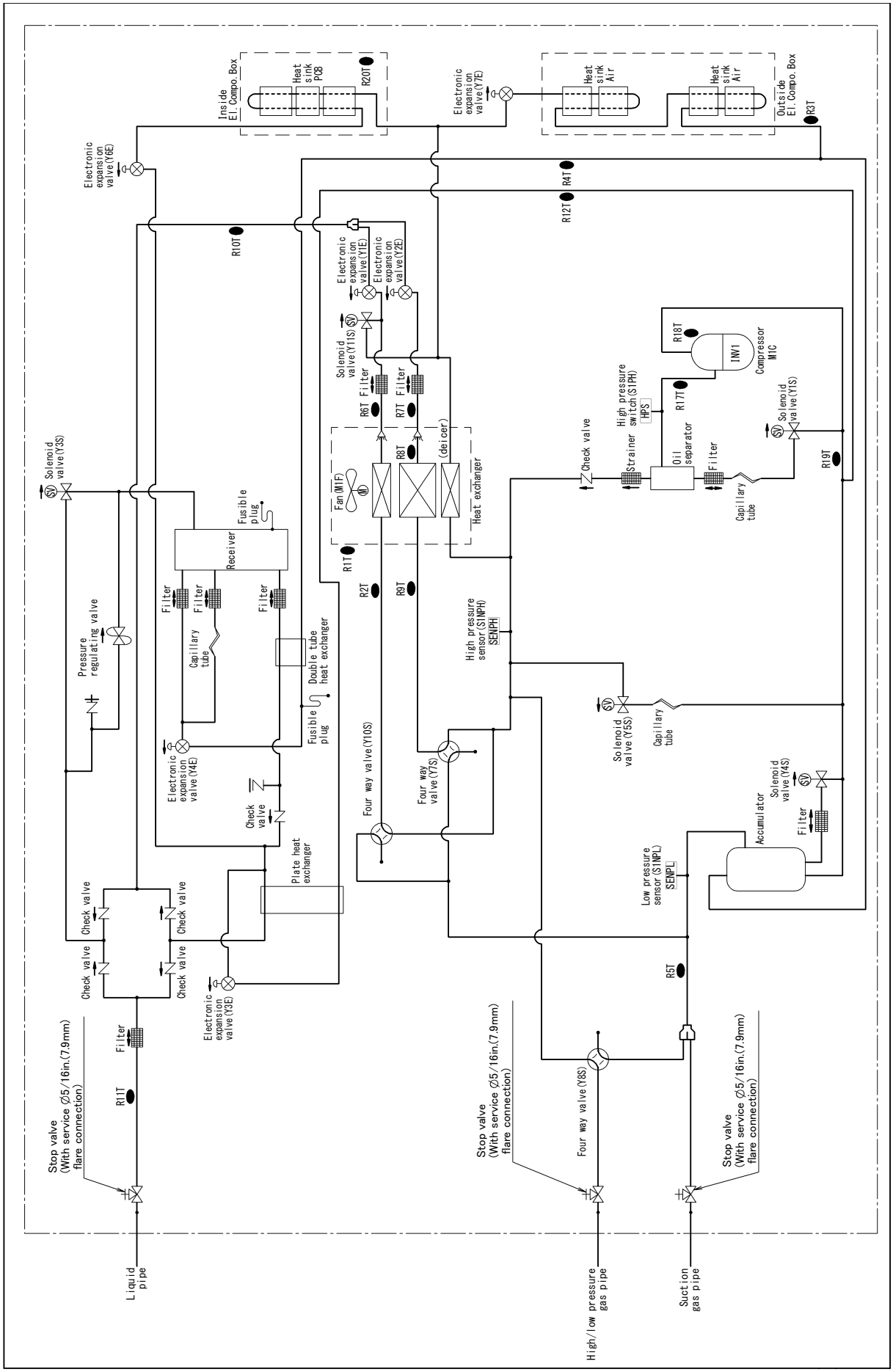


(Notes)

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

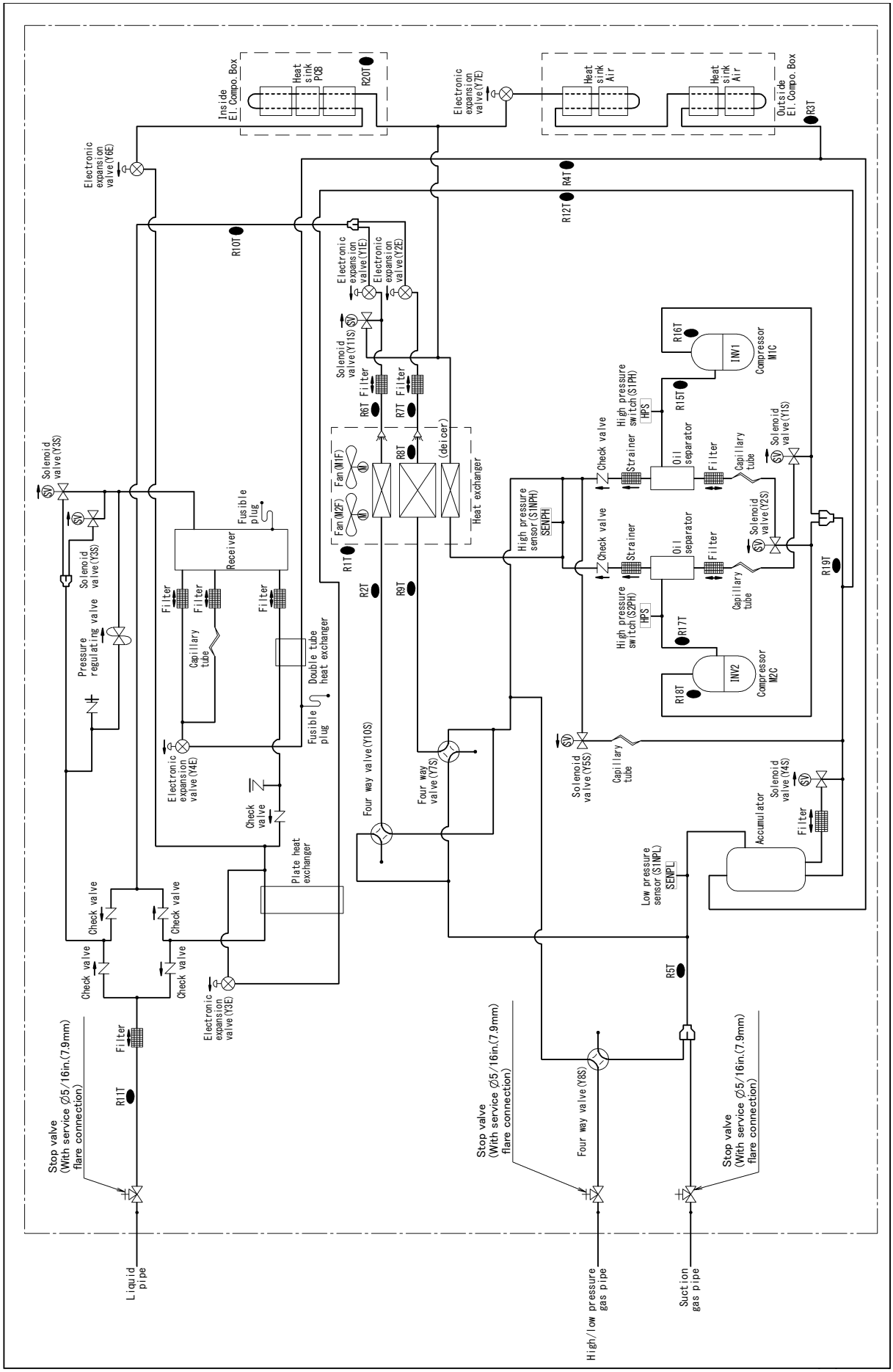
6. Piping Diagrams

RXYA72AATJA / AAYDA



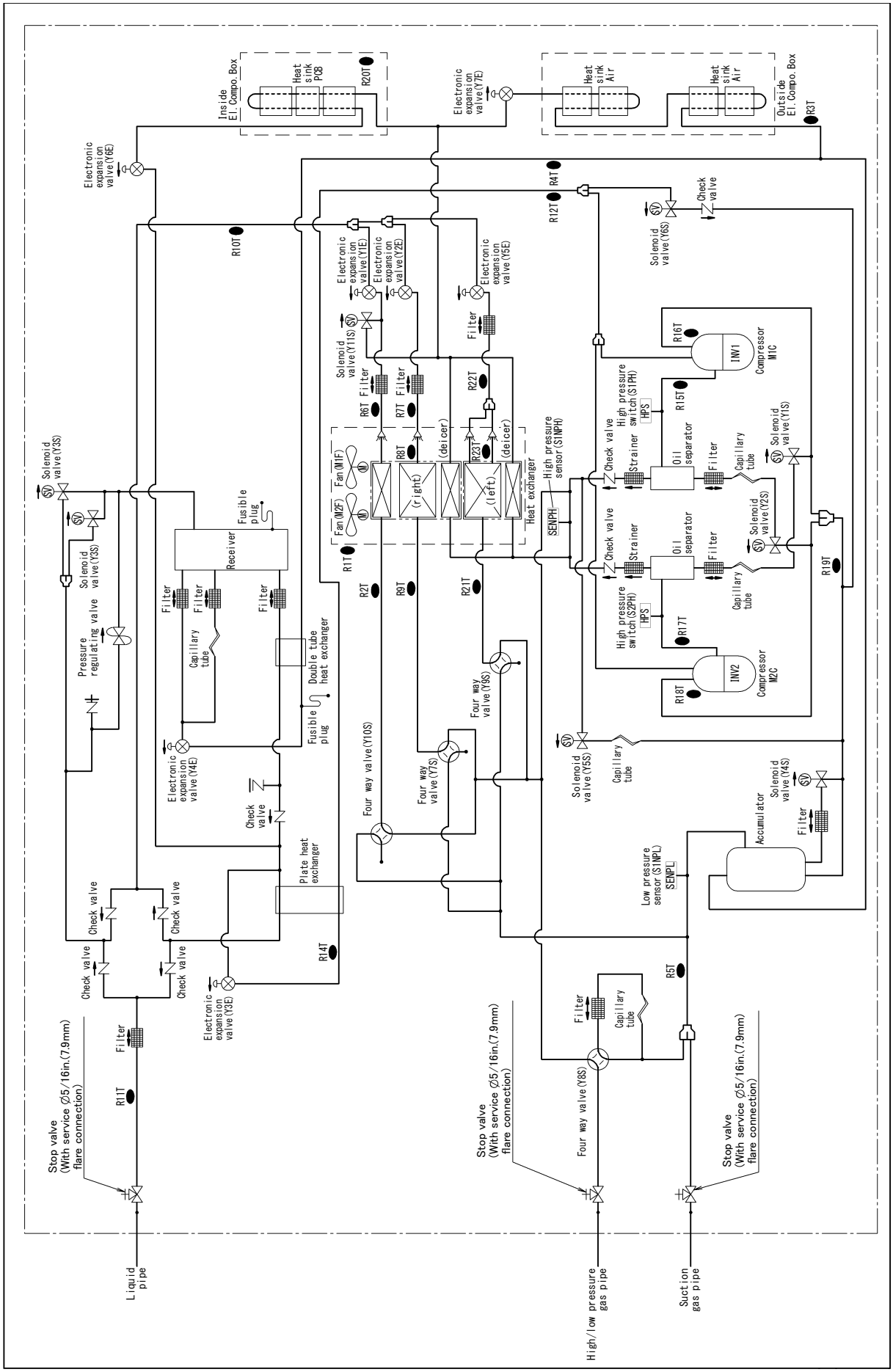
3D158884

RXYA96 / 120 / 144 / 168AATJA / AAYDA



3D158885A

RXYA192 / 216 / 240AATJA / AAYDA



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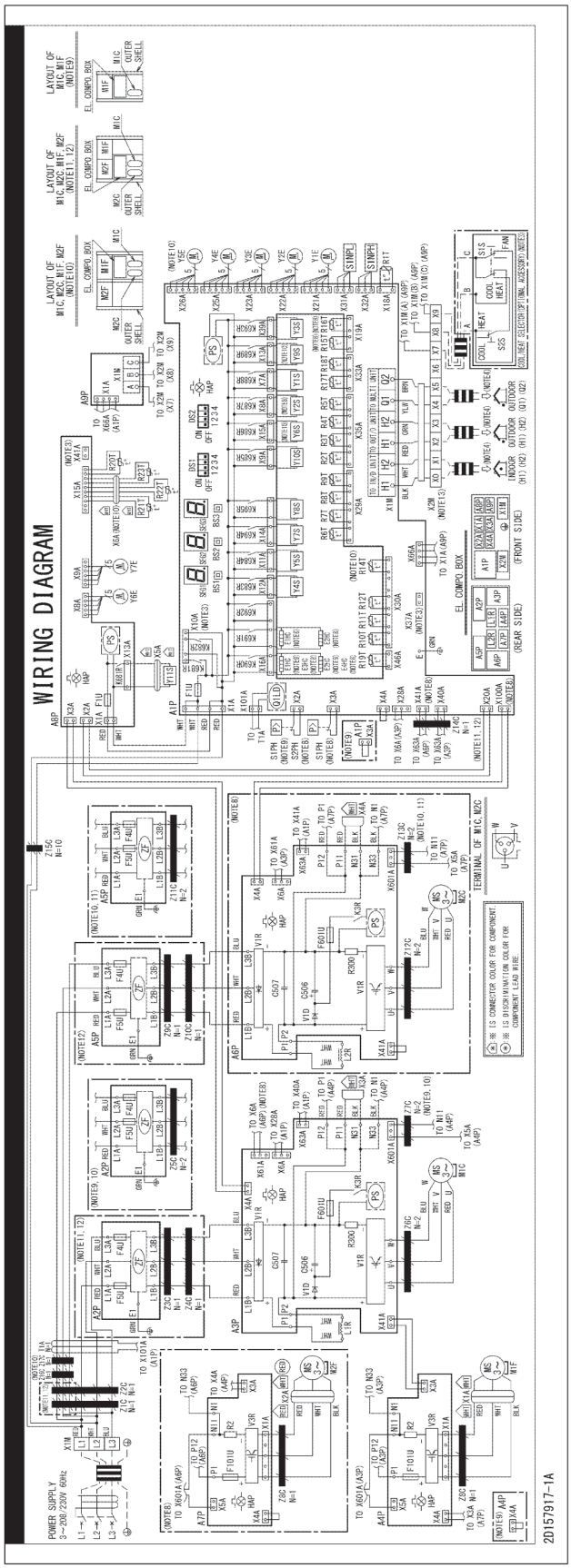
7. Wiring Diagrams

7.1 RXYA-AATJA

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA


WIRING DIAGRAM
POWER SUPPLY
3~208/230V 60Hz
L1
L2
L3
N
X1M
LAYOUT OF M1C, M2C, M1F, M2F (NOTE10)
LAYOUT OF M1C, M2C, M1F, M2F (NOTE11, 12)
LAYOUT OF M1C, M1F (NOTE9)
EL. COMPO. BOX
OUTER SHELL
M1C
M1F
M2C
M2F
TO X2M (X7)
TO X2M (X8)
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TO X1A (A4P)
TO X1A (A5P)
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RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R19T	THERMISTOR (SUCTION)
A2P, A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R20T	THERMISTOR (BOX AIR)
A3P, A6P	PRINTED CIRCUIT BOARD (COMP. INV.)	R21T (NOTE10)	THERMISTOR (HEAT EXC. LEFT GAS)
A4P, A7P	PRINTED CIRCUIT BOARD (FAN INV.)	R22T (NOTE10)	THERMISTOR (HEAT EXC. LEFT LIQUID)
A8P	PRINTED CIRCUIT BOARD (SUB)	R23T (NOTE10)	THERMISTOR (HEAT EXC. LEFT DEICER)
A9P	PRINTED CIRCUIT BOARD (ABC I/P)	S1NPH	PRESSURE SENSOR (HIGH)
BS1~BS3	PUSH BUTTON SWITCH (MODE, SET, RETURN) (A1P)	S1NPL	PRESSURE SENSOR (LOW)
C506, C507	CAPACITOR (A3P, A6P)	S1PH	PRESSURE SWITCH (M1C)
DS1, DS2	DIP SWITCH (A1P)	S2PH	PRESSURE SWITCH (M2C)
E1HC~E4HC	CRANKCASE HEATER	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
F1U	FUSE (A1P, A8P)	T1A	CURRENT SENSOR
F4U, F5U	FUSE (A2P, A5P)	V1D	DIODE (A3P, A6P)
F601U	FUSE (A3P, A6P)	V1R	POWER MODULE (A3P, A6P)
F101U	FUSE (A4P, A7P)	V3R	POWER MODULE (A4P, A7P)
HAP	PILOTLAMP (A1P, A3P, A4P, A6P, A7P, A8P) (SERVICE MONITOR-GREEN)	X1A, X2A	CONNECTOR (M1F, M2F)
		X3A, X4A	CONNECTOR (RESIDUAL CHARGE CHECK)
K681R~K695R	MAGNETIC RELAY (A1P)	X5A	CONNECTOR (Y11S)
K3R	MAGNETIC RELAY (A3P, A6P)	X6A (NOTE10)	CONNECTOR (R21T~R23T)
K681R	MAGNETIC RELAY (A8P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
L1R, L2R	REACTOR	X1M	TERMINAL BLOCK (CONTROL) (A1P)
M1C, M2C	MOTOR (COMPRESSOR)	X2M	TERMINAL BLOCK (RELAY)
M1F, M2F	MOTOR (FAN)	Y1E	ELEC. EXP. VALVE (HEAT EXC. RIGHT UPPER)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P, A8P)	Y2E	ELEC. EXP. VALVE (HEAT EXC. RIGHT LOWER)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y3E	ELEC. EXP. VALVE (SUBCOOL HEAT EXC.)
R2	R2 RESISTOR (CURRENT SENSOR) (A4P, A7P)	Y4E	ELEC. EXP. VALVE (RECEIVER GAS PURGE)
R300	RESISTOR (CURRENT SENSOR) (A3P, A6P)	Y5E (NOTE10)	ELEC. EXP. VALVE (HEAT EXC. LEFT)
R1T	THERMISTOR (AIR)	Y6E	ELEC. EXP. VALVE (REFRIGERANT COOLING IPM)
R2T	THERMISTOR (HEAT EXC. GAS)	Y7E	ELEC. EXP. VALVE (REFRIGERANT COOLING AIR)
R3T	THERMISTOR (E. BOX AIR OUTLET)	Y1S (NOTE9)	SOLENOID VALVE (OS OIL RETURN 1)
R4T	THERMISTOR (RECEIVER GAS PURGE)	Y1S (NOTE8)	SOLENOID VALVE (OS OIL RETURN 2)
R5T	THERMISTOR (SUCTION BEFORE ACCUMULATOR)	Y2S (NOTE8)	SOLENOID VALVE (OS OIL RETURN 1)
R6T	THERMISTOR (HEAT EXC. RIGHT UPPER LIQUID)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R7T	THERMISTOR (HEAT EXC. RIGHT LOWER LIQUID)	Y4S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
R8T	THERMISTOR (HEAT EXC. RIGHT DEICER)	Y5S	SOLENOID VALVE (HOT GAS)
R9T	THERMISTOR (HEAT EXC. RIGHT GAS)	Y6S (NOTE10)	SOLENOID VALVE (INJ.)
R10T	THERMISTOR (LIQUID)	Y7S	4 WAY VALVE (HEAT EXC. LOWER)
R11T	THERMISTOR (SUB COOLING LIQUID)	Y8S	4 WAY VALVE (HP/LP GAS PIPE)
R12T	THERMISTOR (SUB COOLING GAS)	Y9S (NOTE10)	4 WAY VALVE (HEAT EXC. LEFT)
R14T (NOTE10)	THERMISTOR (SUB COOLING INJ)	Y10S	4 WAY VALVE (HEAT EXC. UPPER)
R15T (NOTE8)	THERMISTOR (M1C DISCHARGE)	Y11S	SOLENOID VALVE (REFRIGERANT COOLING BYPASS)
R16T (NOTE8)	THERMISTOR (M1C COMPRESSOR BODY)	Z1C~Z17C	NOISE FILTER (FERRITE CORE)
R17T (NOTE9)	THERMISTOR (M1C DISCHARGE)	ZF	NOISE FILTER (A2P, A5P)
R17T (NOTE8)	THERMISTOR (M2C DISCHARGE)	COOL/HEAT SELECTOR	
R18T (NOTE9)	THERMISTOR (M1C COMPRESSOR BODY)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R18T (NOTE8)	THERMISTOR (M2C COMPRESSOR BODY)	S2S	SELECTOR SWITCH (COOL/HEAT)

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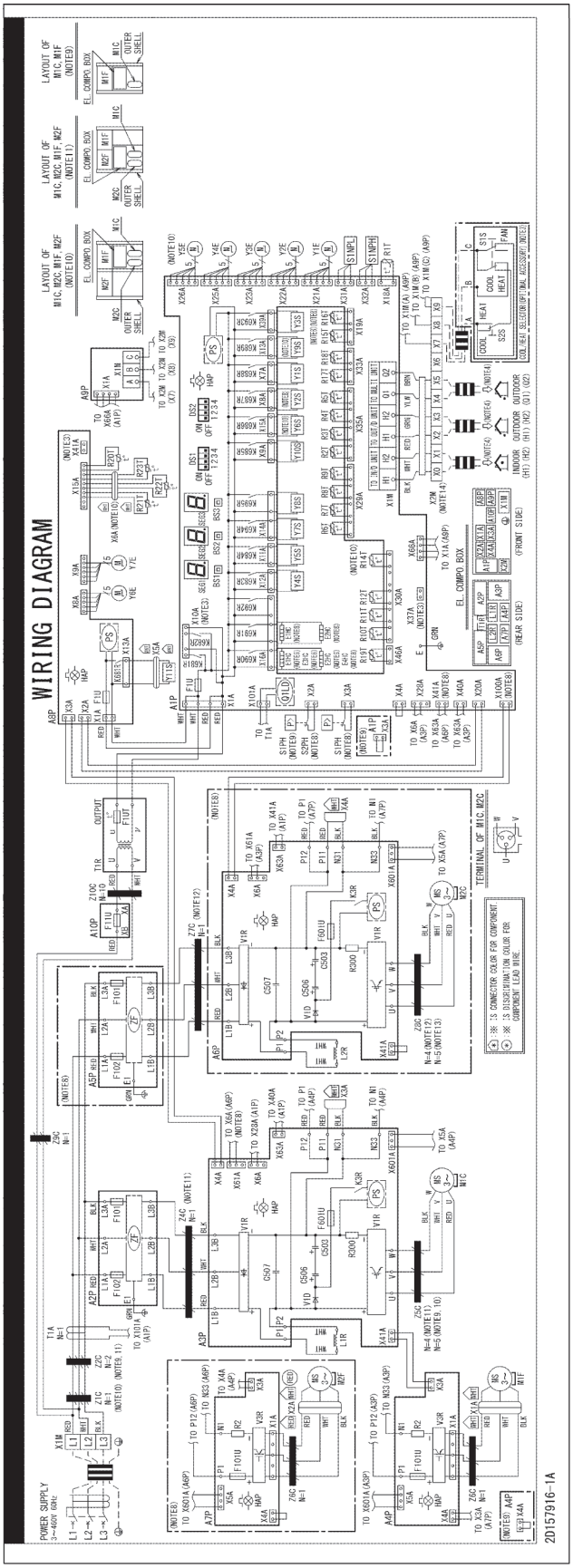
7.2 RXYA-AAYDA

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AAYDA



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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 ACCESSORY, REFER TO THE INSTALLATION MANUAL OF THE OPTIONAL ACCESSORY.
4. FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION H1·H2, OUTDOOR-OUTDOOR TRANSMISSION H1·H2, OUTDOOR-MULTI TRANSMISSION Q1·Q2, REFER TO THE INSTALLATION MANUAL.
5. HOW TO USE BS1~3 SWITCH, REFER TO "SERVICE PRECAUTIONS" LABEL ON CONTROL BOX COVER.
6. WHEN OPERATING, DON'T SHORT-CIRCUIT THE PROTECTION DEVICE (S1PH, S2PH).
7. COLORS BLK:BLACK; RED:RED; BLU:BLUE; WHT:WHITE; GRN:GREEN; GRY:GRAY; YLW:YELLOW; BRN:BROWN.
8. ONLY REYA/RXYA96~240*.
9. ONLY REYA/RXYA72*.
10. ONLY REYA/RXYA192~240*.
11. ONLY REYA/RXYA96~168*.
12. ONLY REYA/RXYA96,120*.
13. ONLY REYA/RXYA144~240*.
14. CLASS 2 WIRE.

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AAYDA

A1P	PRINTED CIRCUIT BOARD (MAIN)	R19T	THERMISTOR (SUCTION)
A2P, A5P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R20T	THERMISTOR (BOX AIR)
A3P, A6P	PRINTED CIRCUIT BOARD (COMP. INV.)	R21T (NOTE10)	THERMISTOR (HEAT EXC. LEFT GAS)
A4P, A7P	PRINTED CIRCUIT BOARD (FAN INV.)	R22T (NOTE10)	THERMISTOR (HEAT EXC. LEFT LIQUID)
A8P	PRINTED CIRCUIT BOARD (SUB)	R23T (NOTE10)	THERMISTOR (HEAT EXC. LEFT DEICER)
A9P	PRINTED CIRCUIT BOARD (ABC I/P)	S1NPH	PRESSURE SENSOR (HIGH)
A10P	PRINTED CIRCUIT BOARD (FUSE)	S1NPL	PRESSURE SENSOR (LOW)
BS1~BS3	PUSH BUTTON SWITCH (MODE, SET, RETURN) (A1P)	S1PH	PRESSURE SWITCH (M1C)
C503, C506, C507	CAPACITOR (A3P, A6P)	S2PH	PRESSURE SWITCH (M2C)
DS1, DS2	DIP SWITCH (A1P)	SEG1~SEG3	7-SEGMENT DISPLAY (A1P)
E1HC~E4HC	CRANKCASE HEATER	T1A	CURRENT SENSOR
F1U	FUSE (A1P, A8P)	T1R	TRANSFORMER (460/230V)
F101, F102	FUSE (A2P, A5P)	V1D	DIODE (A3P, A6P)
F11U	FUSE (A10P)	V1R	POWER MODULE (A3P, A6P)
F601U	FUSE (A3P, A6P)	V3R	POWER MODULE (A4P, A7P)
F101U	FUSE (A4P, A7P)	X1A, X2A	CONNECTOR (M1F, M2F)
F1UT	FUSE (T1R)	X3A, X4A	CONNECTOR (RESIDUAL CHARGE CHECK)
HAP	PILOTLAMP (A1P, A3P, A4P, A6P, A7P, A8P) (SERVICE MONITOR-GREEN)	X5A	CONNECTOR (Y11S)
		X6A (NOTE10)	CONNECTOR (R21T~R23T)
K681R~K695R	MAGNETIC RELAY (A1P)	X1M	TERMINAL BLOCK (POWER SUPPLY)
K3R	MAGNETIC RELAY (A3P, A6P)	X1M	TERMINAL BLOCK (CONTROL) (A1P)
K681R	MAGNETIC RELAY (A8P)	X2M	TERMINAL BLOCK (RELAY)
L1R, L2R	REACTOR	Y1E	ELEC. EXP. VALVE (HEAT EXC. RIGHT UPPER)
M1C, M2C	MOTOR (COMPRESSOR)	Y2E	ELEC. EXP. VALVE (HEAT EXC. RIGHT LOWER)
M1F, M2F	MOTOR (FAN)	Y3E	ELEC. EXP. VALVE (SUBCOOL HEAT EXC.)
PS	SWITCHING POWER SUPPLY (A1P, A3P, A6P, A8P)	Y4E	ELEC. EXP. VALVE (RECEIVER GAS PURGE)
Q1LD	LEAKAGE DETECTION CIRCUIT (A1P)	Y5E (NOTE10)	ELEC. EXP. VALVE (HEAT EXC. LEFT)
R2	R2 RESISTOR (CURRENT SENSOR) (A4P, A7P)	Y6E	ELEC. EXP. VALVE (REFRIGERANT COOLING IPM)
R300	RESISTOR (CURRENT SENSOR) (A3P, A6P)	Y7E	ELEC. EXP. VALVE (REFRIGERANT COOLING AIR)
R1T	THERMISTOR (AIR)	Y1S (NOTE9)	SOLENOID VALVE (OS OIL RETURN 1)
R2T	THERMISTOR (HEAT EXC. GAS)	Y1S (NOTE8)	SOLENOID VALVE (OS OIL RETURN 2)
R3T	THERMISTOR (E. BOX AIR OUTLET)	Y2S (NOTE8)	SOLENOID VALVE (OS OIL RETURN 1)
R4T	THERMISTOR (RECEIVER GAS PURGE)	Y3S	SOLENOID VALVE (LIQUID SHUT OFF)
R5T	THERMISTOR (SUCTION BEFORE ACCUMULATOR)	Y4S	SOLENOID VALVE (ACCUMULATOR OIL RETURN)
R6T	THERMISTOR (HEAT EXC. RIGHT UPPER LIQUID)	Y5S	SOLENOID VALVE (HOT GAS)
R7T	THERMISTOR (HEAT EXC. RIGHT LOWER LIQUID)	Y6S (NOTE10)	SOLENOID VALVE (INJ.)
R8T	THERMISTOR (HEAT EXC. RIGHT DEICER)	Y7S	4 WAY VALVE (HEAT EXC. LOWER)
R9T	THERMISTOR (HEAT EXC. RIGHT GAS)	Y8S	4 WAY VALVE (HP/LP GAS PIPE)
R10T	THERMISTOR (LIQUID)	Y9S (NOTE10)	4 WAY VALVE (HEAT EXC. LEFT)
R11T	THERMISTOR (SUB COOLING LIQUID)	Y10S	4 WAY VALVE (HEAT EXC. UPPER)
R12T	THERMISTOR (SUB COOLING GAS)	Y11S	SOLENOID VALVE (REFRIGERANT COOLING BYPASS)
R14T (NOTE10)	THERMISTOR (SUB COOLING INJ)	Z1C, Z2C Z4C~Z10C	NOISE FILTER (FERRITE CORE)
R15T (NOTE8)	THERMISTOR (M1C DISCHARGE)		
R16T (NOTE8)	THERMISTOR (M1C COMPRESSOR BODY)	ZF	NOISE FILTER (A2P, A5P)
R17T (NOTE9)	THERMISTOR (M1C DISCHARGE)	COOL/HEAT SELECTOR	
R17T (NOTE8)	THERMISTOR (M2C DISCHARGE)	S1S	SELECTOR SWITCH (FAN/COOL·HEAT)
R18T (NOTE9)	THERMISTOR (M1C COMPRESSOR BODY)	S2S	SELECTOR SWITCH (COOL/HEAT)
R18T (NOTE8)	THERMISTOR (M2C COMPRESSOR BODY)		

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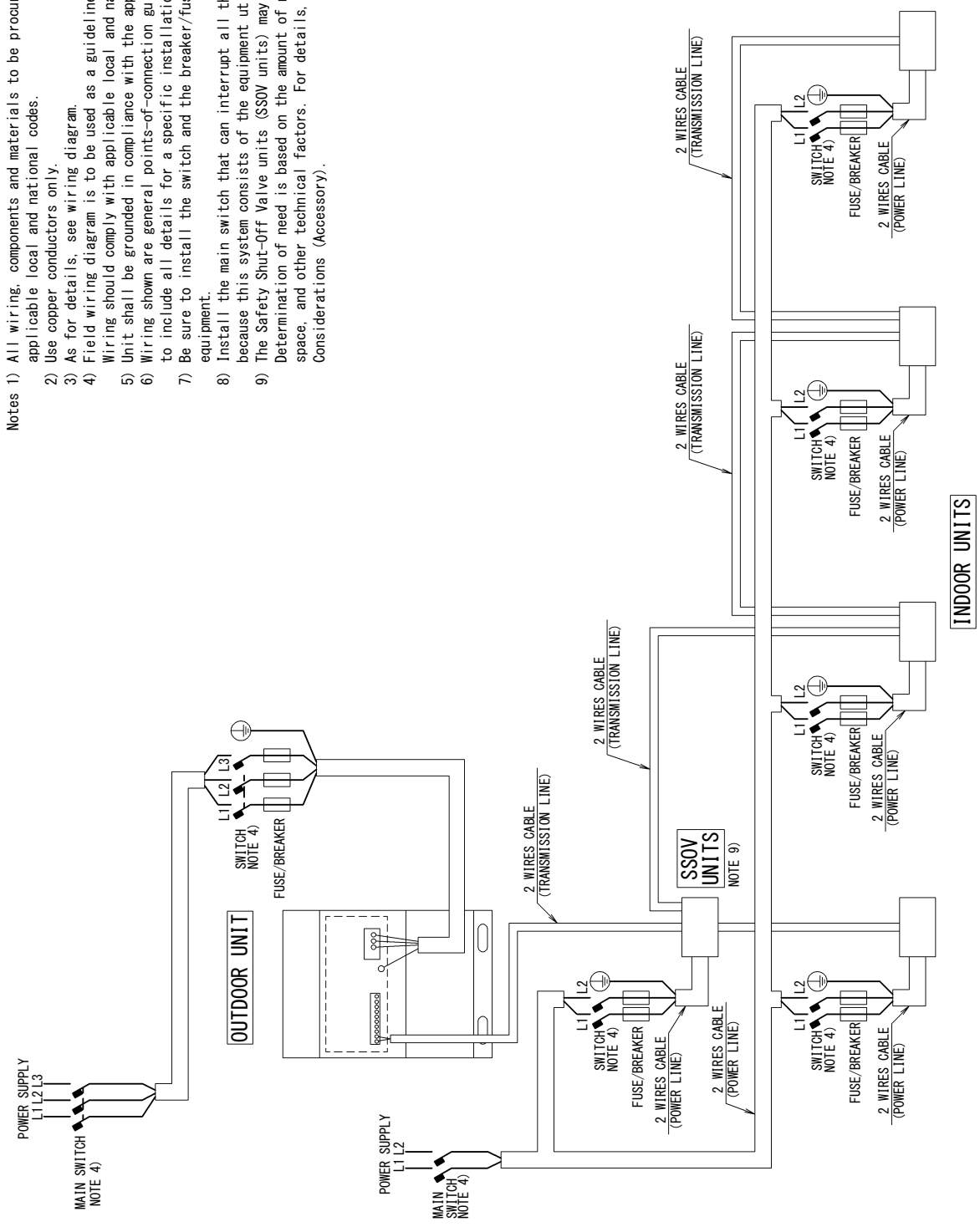
8. Field Wiring

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA / AAYDA

Notes 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 breaker/fuse 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) The Safety Shut-Off Valve units (SSOV units) may be required for RXYA and RXLA types. Determination of need is based on the amount of refrigerant in the system, room floor space, and other technical factors. For details, refer to the General Safety Considerations (Accessory).



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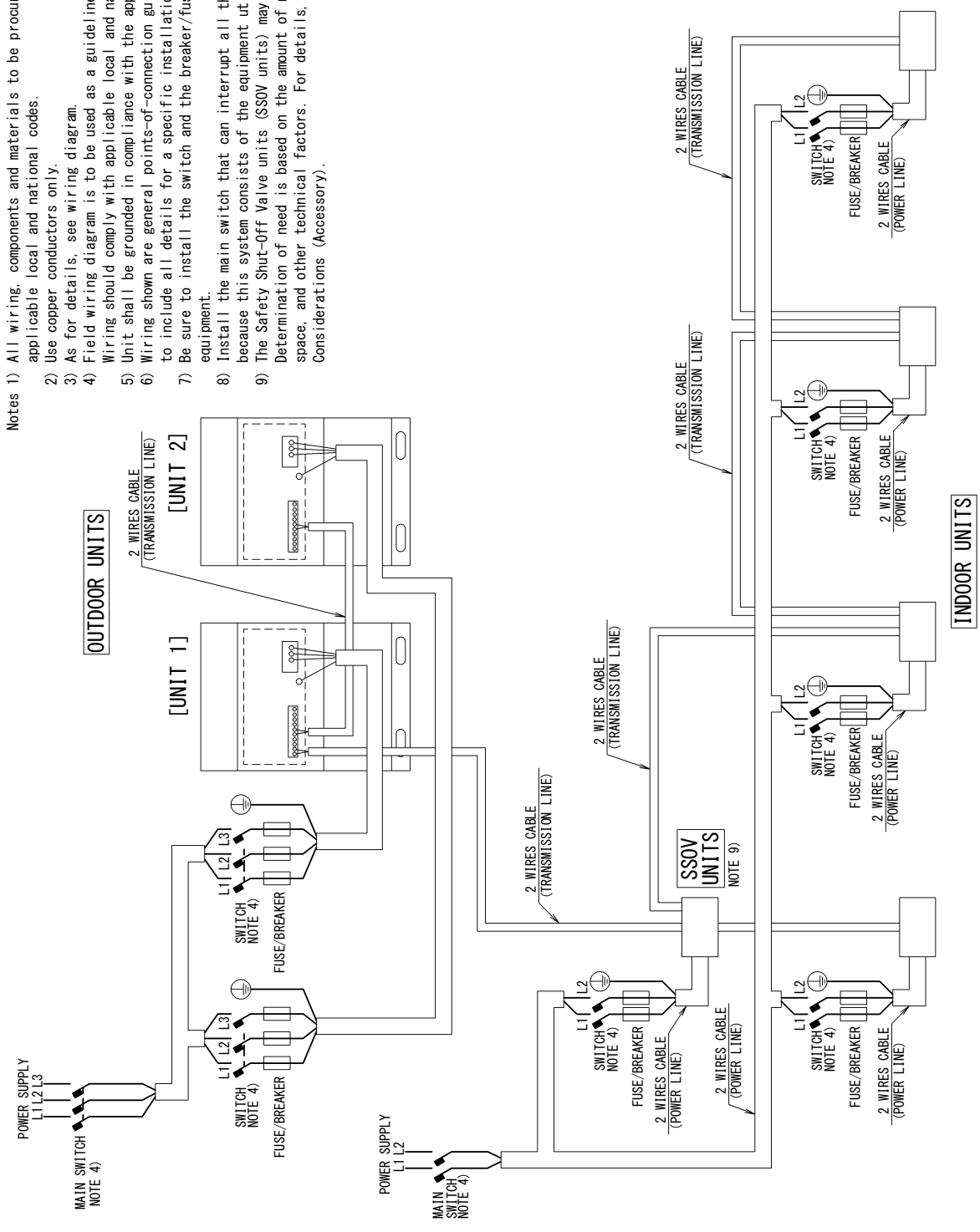
RXYA264 / 288 / 312 / 336 / 360 / 384 / 408 / 432 / 456 / 480AATJA / AAYDA

Notes
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 breaker/fuse 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) The Safety Shut-Off Valve units (SSOV units) may be required for RXYA and RXLA types. Determination of need is based on the amount of refrigerant in the system, room floor space, and other technical factors. For details, refer to the General Safety Considerations (Accessory).



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9. Electrical Characteristics

9.1 RXYA-AATJA

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA

Model name	Units				Power supply		Fan/Compressor Inverter drive input	Fan motor output		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	A	Hp	kW	
RXYA72AATJA	60	208 / 230	187	253	33.0	35	26.4	1.19	0.89	SCCR kA rms, Symmetrical @600 V MAX: 5
RXYA96AATJA	60	208 / 230	187	253	34.9	40	14.8 + 15.8	0.98 × 2	0.73 × 2	
RXYA120AATJA	60	208 / 230	187	253	40.0	45	17.0 + 18.3	0.98 × 2	0.73 × 2	
RXYA144AATJA	60	208 / 230	187	253	50.0	60	18.4 + 25.2	0.98 × 2	0.73 × 2	
RXYA168AATJA	60	208 / 230	187	253	60.2	70	22.1 + 30.3	0.98 × 2	0.73 × 2	
RXYA192AATJA	60	208 / 230	187	253	64.2	80	27.6 + 29.3	1.19 × 2	0.89 × 2	
RXYA216AATJA	60	208 / 230	187	253	70.0	80	29.3 + 31.1	1.19 × 2	0.89 × 2	
RXYA240AATJA	60	208 / 230	187	253	79.1	90	32.7 + 34.7	1.19 × 2	0.89 × 2	

Symbols:
MCA :Min.Circuit Amps.(A)
MOP :Max.Overcurrent Protector(A)
SCCR :Short-Circuit Current

Notes:
1. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
2. The maximum percent unbalance of phase voltage shall be 2%.
3. Select wire size based on the value of MCA.
4. MOP is used to select the circuit breaker.
5. Refer to electrical characteristics of each independent unit for SCCR.

RXYA264 / 288 / 312 / 336 / 360 / 384 / 408 / 432 / 456 / 480AATJA

Model name		Units				Power supply		Fan/Compressor Inverter drive input	Fan motor output	
Combination unit	Independent unit	Hz	Volts	Min.	Max.	MCA	MOP	A	Hp	kW
RXYA264AATJA	RXYA120AATJA	60	208 / 230	187	253	40.0 + 50.0	45 + 60	(17.0 + 18.3) + (18.4 + 25.2)	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA144AATJA									
RXYA288AATJA	RXYA144AATJA	60	208 / 230	187	253	50.0 + 50.0	60 + 60	(18.4 + 25.2) × 2	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA144AATJA									
RXYA312AATJA	RXYA144AATJA	60	208 / 230	187	253	50.0 + 60.2	60 + 70	(18.4 + 25.2) + (22.1 + 30.3)	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA168AATJA									
RXYA336AATJA	RXYA168AATJA	60	208 / 230	187	253	60.2 + 60.2	70 + 70	(22.1 + 30.3) × 2	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA168AATJA									
RXYA360AATJA	RXYA168AATJA	60	208 / 230	187	253	60.2 + 64.2	70 + 80	(22.1 + 30.3) + (27.6 + 29.3)	(0.98 × 2) + (1.19 × 2)	(0.73 × 2) + (0.89 × 2)
	RXYA192AATJA									
RXYA384AATJA	RXYA192AATJA	60	208 / 230	187	253	64.2 + 64.2	80 + 80	(27.6 + 29.3) × 2	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA192AATJA									
RXYA408AATJA	RXYA192AATJA	60	208 / 230	187	253	64.2 + 70.0	80 + 80	(27.6 + 29.3) + (29.3 + 31.1)	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA216AATJA									
RXYA432AATJA	RXYA216AATJA	60	208 / 230	187	253	70.0 + 70.0	80 + 80	(29.3 + 31.1) × 2	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA216AATJA									
RXYA456AATJA	RXYA216AATJA	60	208 / 230	187	253	70.0 + 79.1	80 + 90	(29.3 + 31.1) + (32.7 + 34.7)	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA240AATJA									
RXYA480AATJA	RXYA240AATJA	60	208 / 230	187	253	79.1 + 79.1	90 + 90	(32.7 + 34.7) × 2	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA240AATJA									

Symbols:
MCA :Min. Circuit Amps. (A)
MOP :Max. Overcurrent Protector (A)

Notes:
1. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
2. The maximum percent unbalance of phase voltage shall be 2%.
3. Select wire size based on the value of MCA.
4. MOP is used to select the circuit breaker.
5. Refer to electrical characteristics of each independent unit for SCCR.

9.2 RXYA-AAYDA

RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AAYDA

Model name	Units				Pow er supply		Fan/Compressor Inverter drive input	Fan motor output		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	A	Hp	kW	
RXYA72AAYDA	60	460	416	508	14.9	20	11.9	1.19	0.89	SCCR kA rms, Symmetrical @600 V MAX: 5
RXYA96AAYDA	60	460	416	508	17.5	20	6.7 + 7.2	0.98 × 2	0.73 × 2	
RXYA120AAYDA	60	460	416	508	18.2	25	7.7 + 8.3	0.98 × 2	0.73 × 2	
RXYA144AAYDA	60	460	416	508	23.3	30	8.3 + 11.4	0.98 × 2	0.73 × 2	
RXYA168AAYDA	60	460	416	508	27.1	30	10.0 + 13.7	0.98 × 2	0.73 × 2	
RXYA192AAYDA	60	460	416	508	30.7	35	12.5 + 13.2	1.19 × 2	0.89 × 2	
RXYA216AAYDA	60	460	416	508	32.8	40	13.2 + 14.1	1.19 × 2	0.89 × 2	
RXYA240AAYDA	60	460	416	508	35.1	40	14.8 + 15.7	1.19 × 2	0.89 × 2	

Symbols:
MCA :Min.Circuit Amps.(A)
MOP :Max.Overcurrent Protector(A)
SCCR :Short-Circuit Current

Notes:
1. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
2. The maximum percent unbalance of phase voltage shall be 2%.
3. Select wire size based on the value of MCA.
4. MOP is used to select the circuit breaker.
5. Refer to electrical characteristics of each independent unit for SCCR.

RXYA264 / 288 / 312 / 336 / 360 / 384 / 408 / 432 / 456 / 480AAYDA

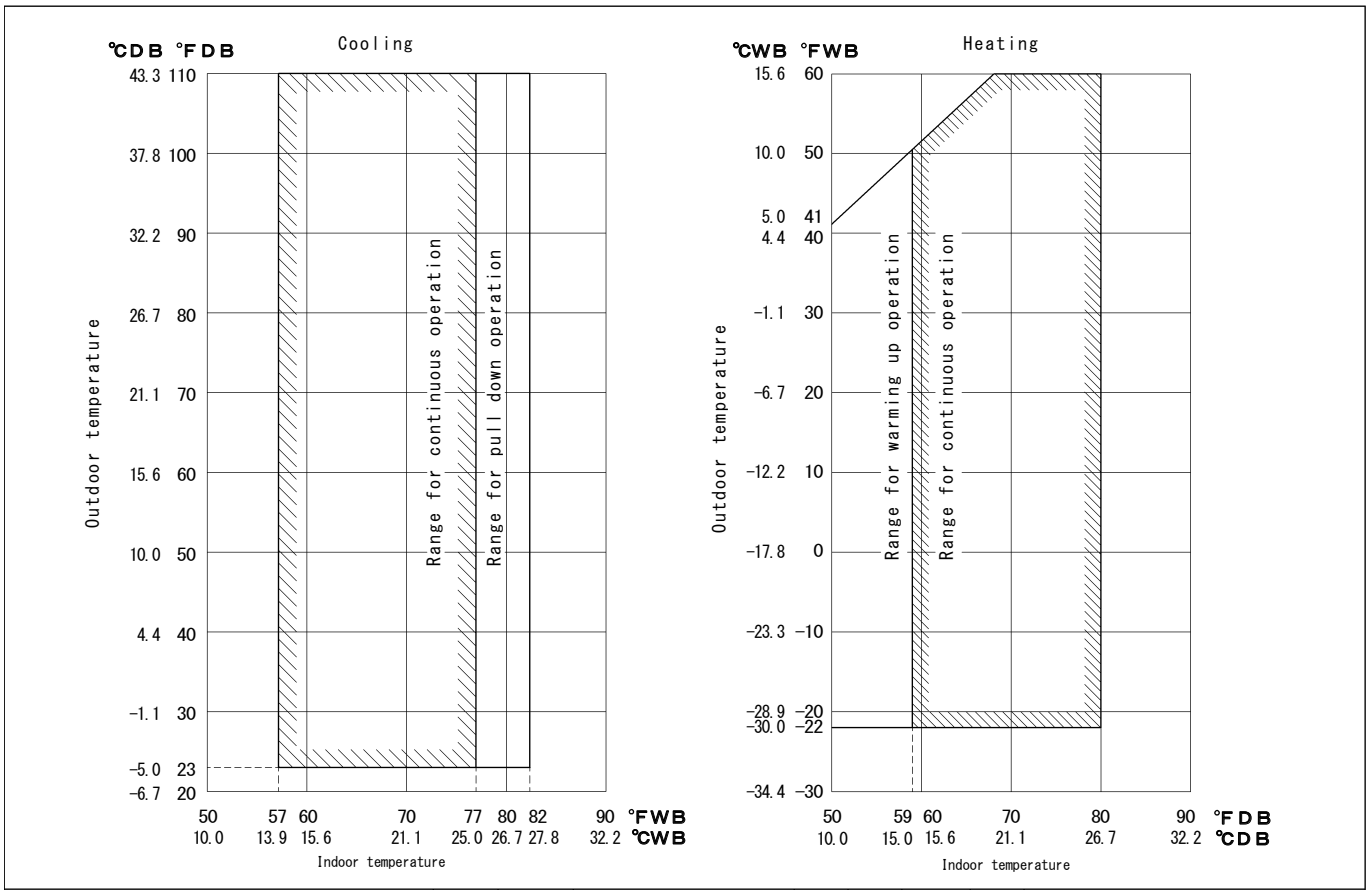
Model name		Units				Power supply		Fan/Compressor Inverter drive input	Fan motor output	
Combination unit	Independent unit	Hz	Volts	Min.	Max.	MCA	MOP	A	Hp	kW
RXYA264AAYDA	RXYA120AAYDA	60	460	416	508	18.2 + 23.3	25 + 30	(7.7 + 8.3) + (8.3 + 11.4)	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA144AAYDA									
RXYA288AAYDA	RXYA144AAYDA	60	460	416	508	23.3 + 23.3	30 + 30	(8.3 + 11.4) × 2	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA144AAYDA									
RXYA312AAYDA	RXYA144AAYDA	60	460	416	508	23.3 + 27.1	30 + 30	(8.3 + 11.4) + (10.0 + 13.7)	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA168AAYDA									
RXYA336AAYDA	RXYA168AAYDA	60	460	416	508	27.1 + 27.1	30 + 30	(10.0 + 13.7) × 2	(0.98 × 2) × 2	(0.73 × 2) × 2
	RXYA168AAYDA									
RXYA360AAYDA	RXYA168AAYDA	60	460	416	508	27.1 + 30.7	30 + 35	(10.0 + 13.7) + (12.5 + 13.2)	(0.98 × 2) + (1.19 × 2)	(0.73 × 2) + (0.89 × 2)
	RXYA192AAYDA									
RXYA384AAYDA	RXYA192AAYDA	60	460	416	508	30.7 + 30.7	35 + 35	(12.5 + 13.2) × 2	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA192AAYDA									
RXYA408AAYDA	RXYA192AAYDA	60	460	416	508	30.7 + 32.8	35 + 40	(12.5 + 13.2) + (13.2 + 14.1)	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA216AAYDA									
RXYA432AAYDA	RXYA216AAYDA	60	460	416	508	32.8 + 32.8	40 + 40	(13.2 + 14.1) × 2	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA216AAYDA									
RXYA456AAYDA	RXYA216AAYDA	60	460	416	508	32.8 + 35.1	40 + 40	(13.2 + 14.1) + (14.8 + 15.7)	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA240AAYDA									
RXYA480AAYDA	RXYA240AAYDA	60	460	416	508	35.1 + 35.1	40 + 40	(14.8 + 15.7) × 2	(1.19 × 2) × 2	(0.89 × 2) × 2
	RXYA240AAYDA									

Symbols:
MCA :Min. Circuit Amps. (A)
MOP :Max. Overcurrent Protector (A)

Notes:
1. Voltage range
   Units are designed to operate only at the rated voltage provided in the table above.
2. The maximum percent unbalance of phase voltage shall be 2%.
3. Select wire size based on the value of MCA.
4. MOP is used to select the circuit breaker.
5. Refer to electrical characteristics of each independent unit for SCCR.

10. Operation Limits

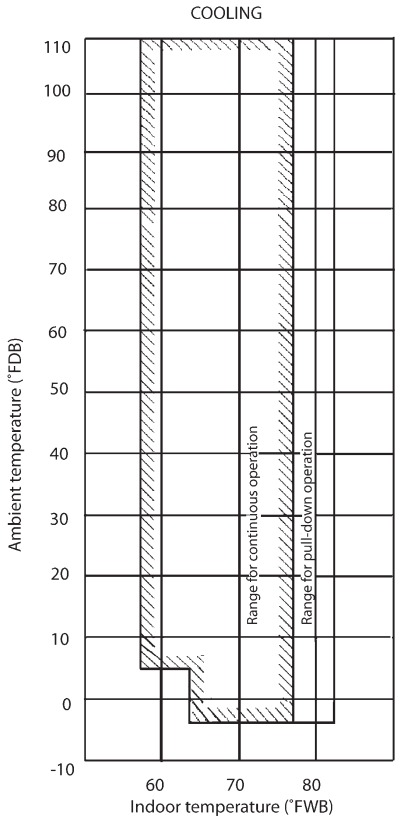
RXYA72 / 96 / 120 / 144 / 168 / 192 / 216 / 240AATJA / AAYDA



11. Low Ambient Cooling Enhancement (Heat Pump)

RXYA72 - 480AATJA / AAYDA

- RXYA-A series include a feature for Low Ambient Cooling.
- The function enhances RXYA-A series as follows:
  - Allows operation to −4°FDB (−20°CDB) ambient temperature in cooling mode. (Normal limit is 23°FDB (−5°CDB).)
  - Operation below 23°FDB (−5°CDB) requires the addition of wind covers onto the outdoor unit.*1



Application Rules:

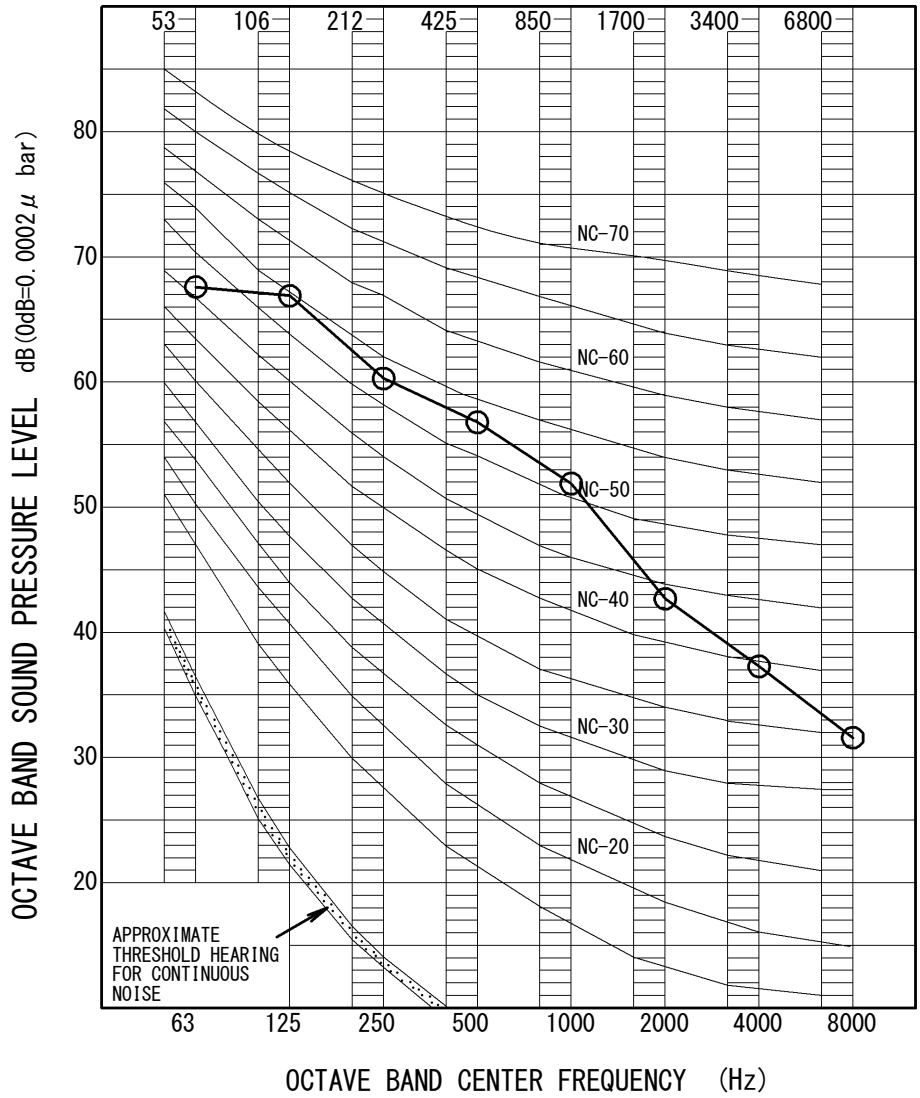
- Total connection index of each system is limited to 50-130% when height difference is 0-164 ft. (0-50 m), 80-130% when higher than 164 ft. (50 m).
- All units on the system must be connected to a Safety Shut-Off Valve unit.
- Function is engaged by a field setting on the outdoor unit to enable Low ambient cooling.
- During operation below 23°FDB (–5°CDB), the available cooling capacity decreases as follows:
  14°FDB (–10°CDB) - Reduces to 80% of nominal.
  5°FDB (–15°CDB) - Reduces to 65% of nominal.
  –4°FDB (–20°CDB) - Reduces to 60% of nominal.
- Refrigerant noise from the Safety Shut-Off Valve unit will become louder, so be sure to install where noise will not be a problem. If sound reduction is required, soundproof connection piping by wrapping them in soundproofing material, etc.
- The allowable height difference between outdoor and indoor units (when outdoor unit is below) is 130 ft. (40 m).
  The standard height difference limit is 164 ft. (50 m) when outdoor unit is above indoor unit (it can be extended to 361 ft. (110 m)) and 130 ft. (40 m) when outdoor unit is below indoor unit (it can be extended to 361 ft. (110 m)).
- If ambient temperature is less than the setting of Heat pump lockout temp, indoor units connected to the system cannot operate in cooling mode. In this case the system can operate only in heating mode via an auxiliary heat or secondary heat source. *2

Note:

*1. Contact your local Daikin representative for wind cover specification requirements and part numbers.
*2. The heat pump lockout function is not activated by default. Refer to the installation or service manual for more details about this function.

12. Sound Levels (Reference Data)

RXYA72AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	58

(B.G.N IS ALREADY RECTIFIED)

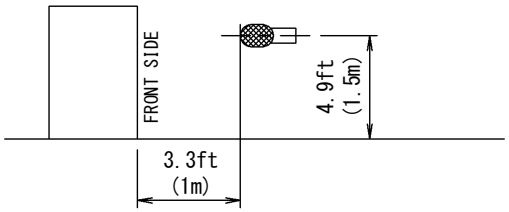
OPERATING CONDITIONS

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

MEASURING PLACE

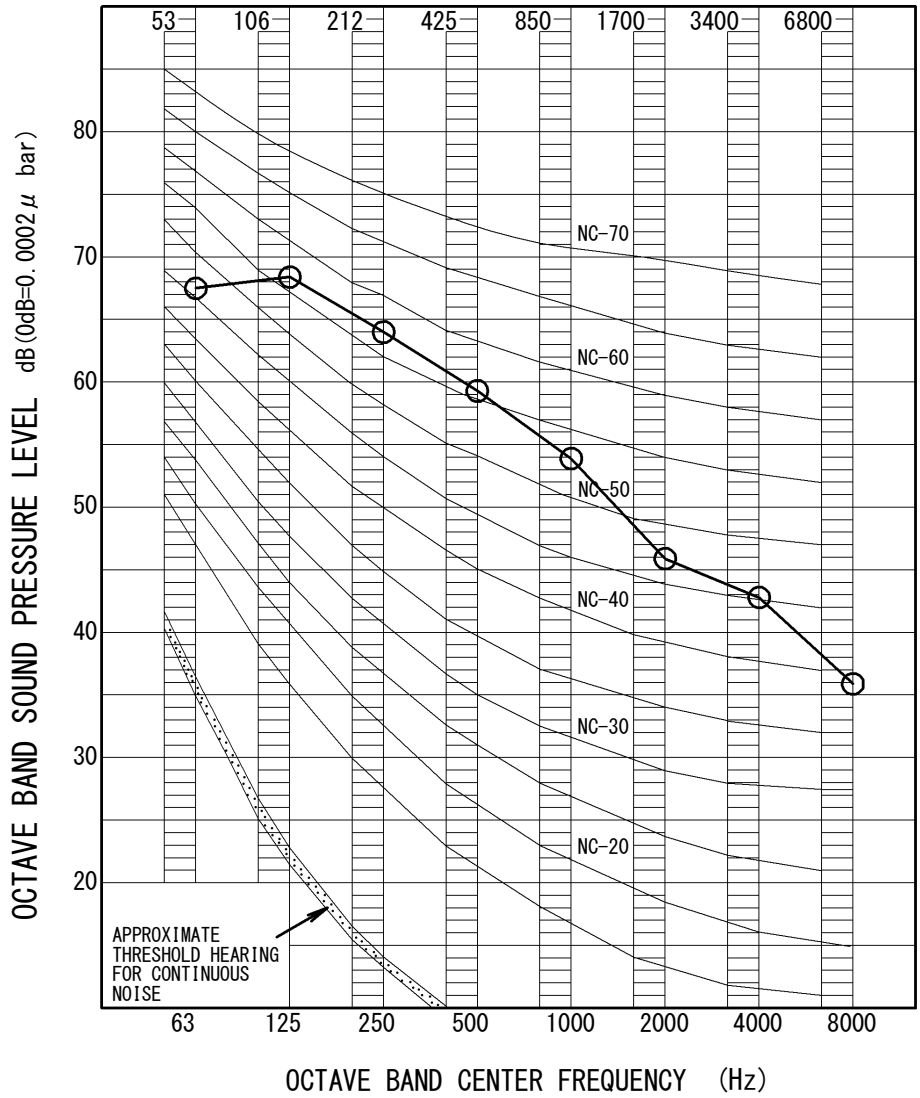
ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE) 1. 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.
2. DEPENDING ON THE OPERATING CONDITIONS, THE OPERATING SOUND LEVEL MAY REACH UP TO 65dBA.

RXYA96AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	61

(B.G.N IS ALREADY RECTIFIED)

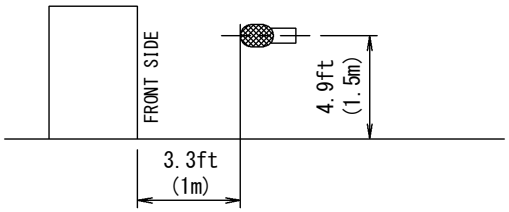
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

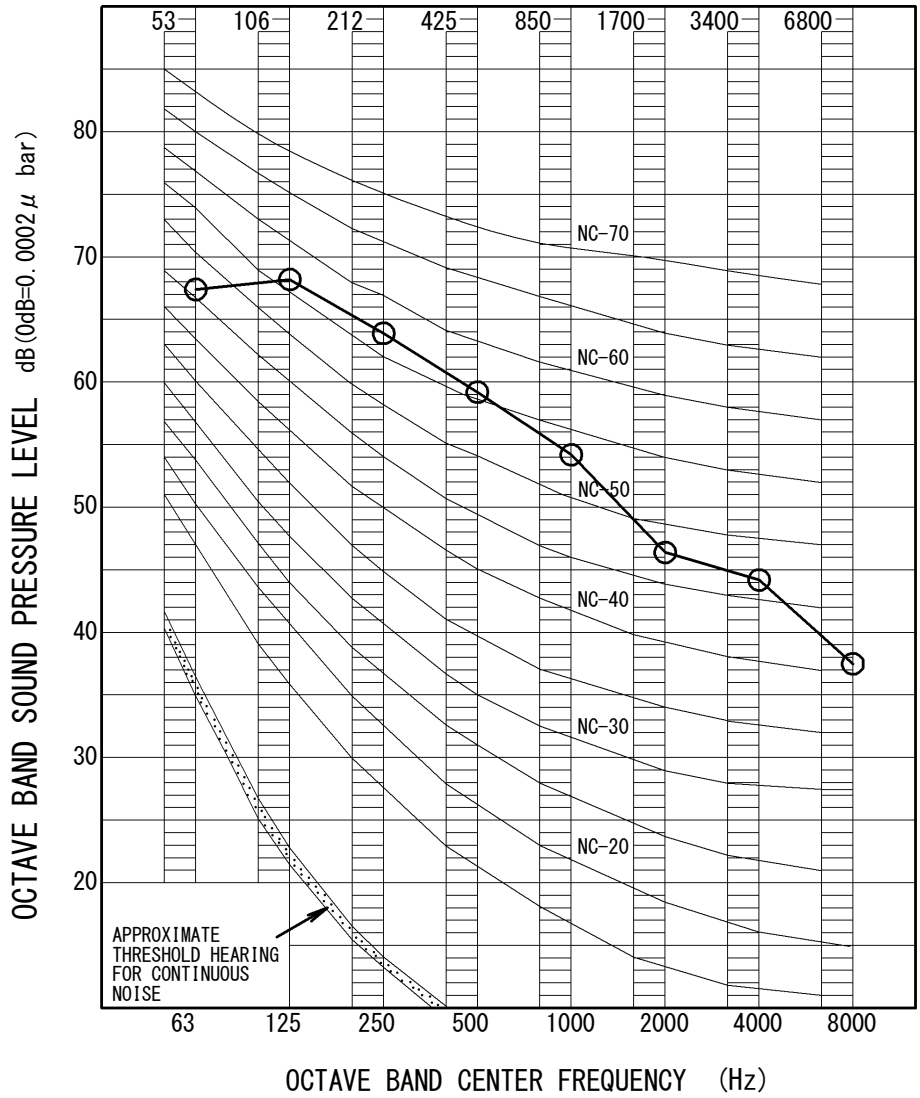
LOCATION OF MICROPHONE



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.

4D159470

RXYA120AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	61

(B.G.N IS ALREADY RECTIFIED)

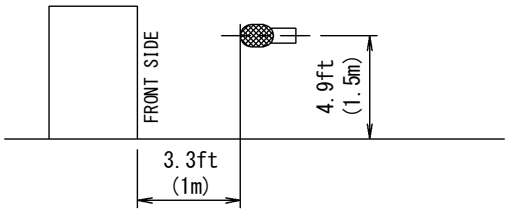
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

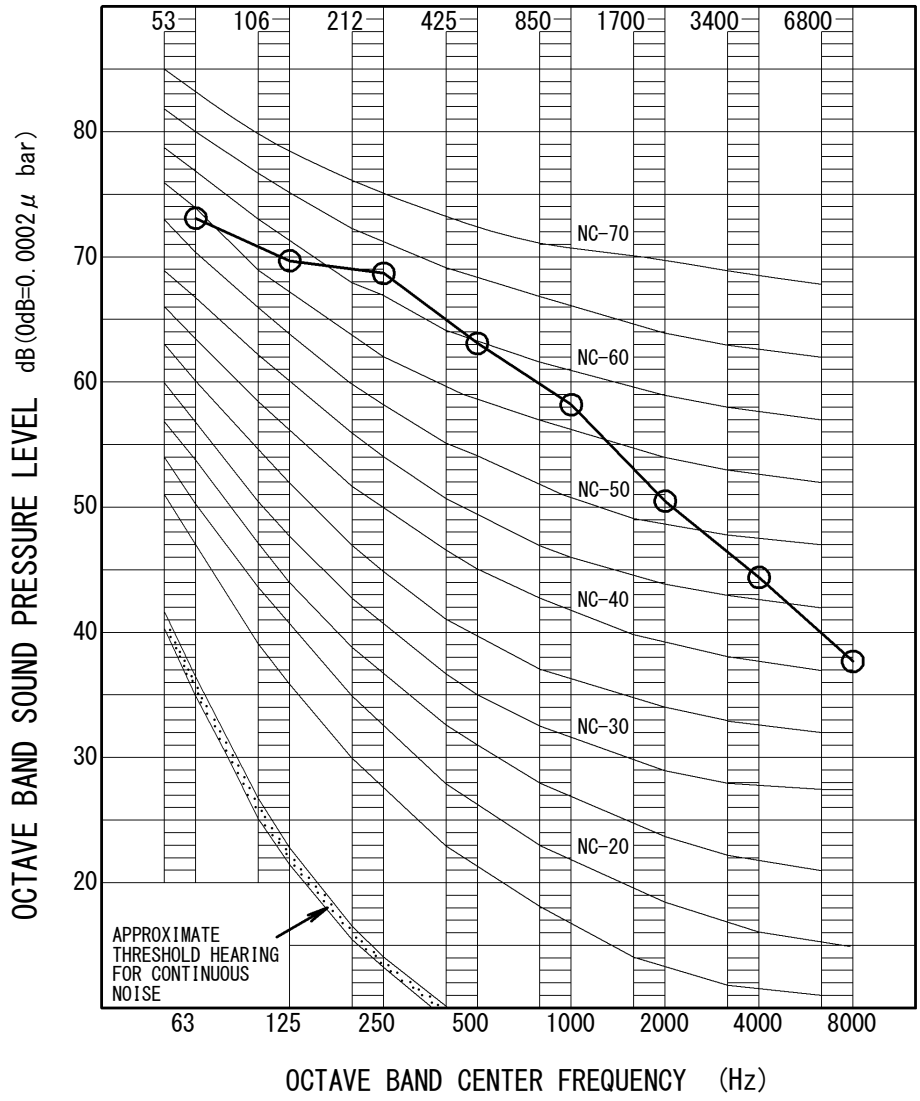
LOCATION OF MICROPHONE



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.

4D159471

RXYA144AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	65

(B.G.N IS ALREADY RECTIFIED)

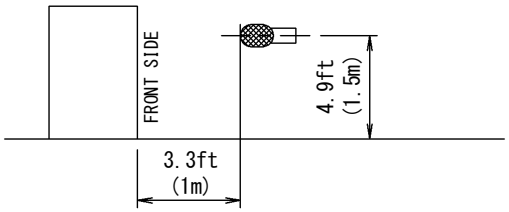
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

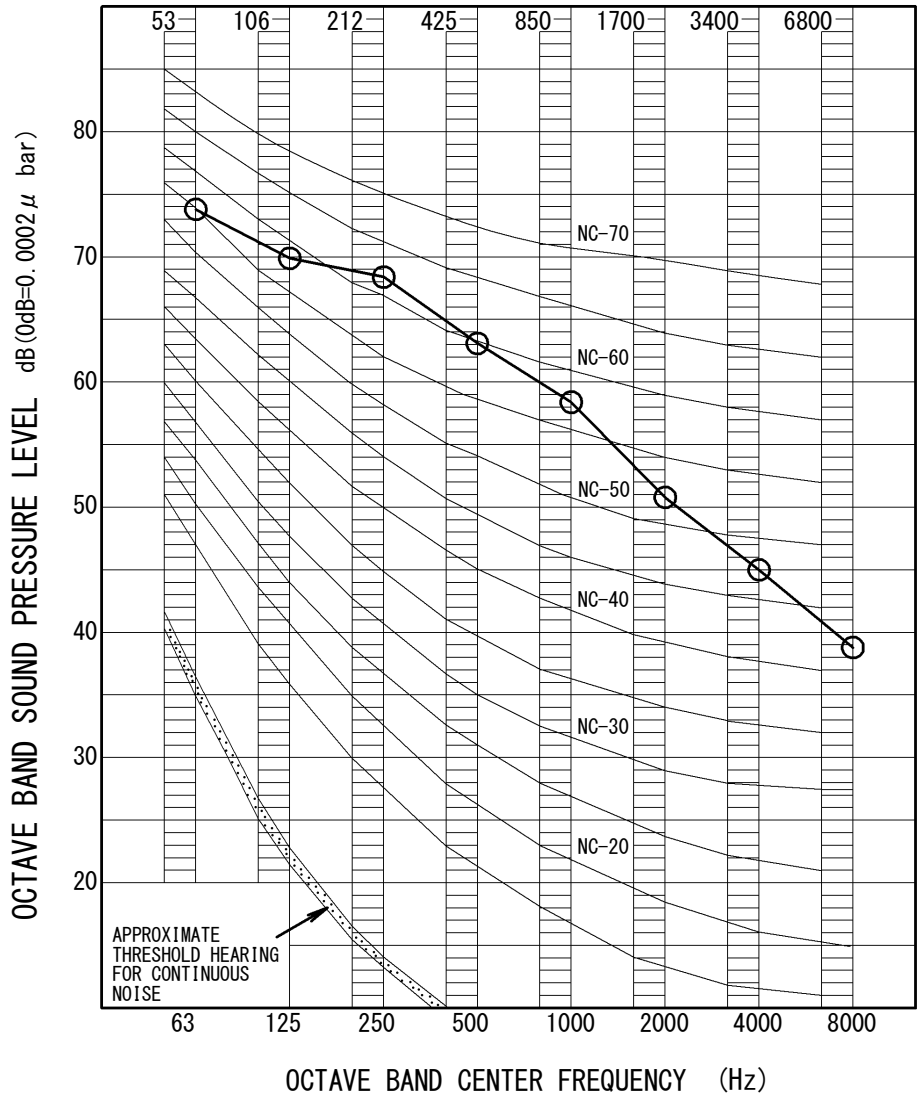
LOCATION OF MICROPHONE



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.

4D159472

RXYA168AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	65

(B.G.N IS ALREADY RECTIFIED)

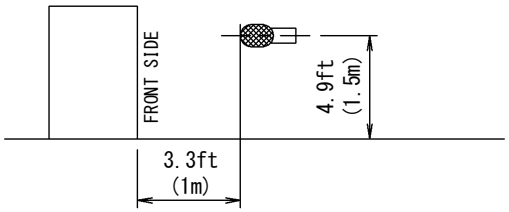
OPERATING CONDITIONS

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,
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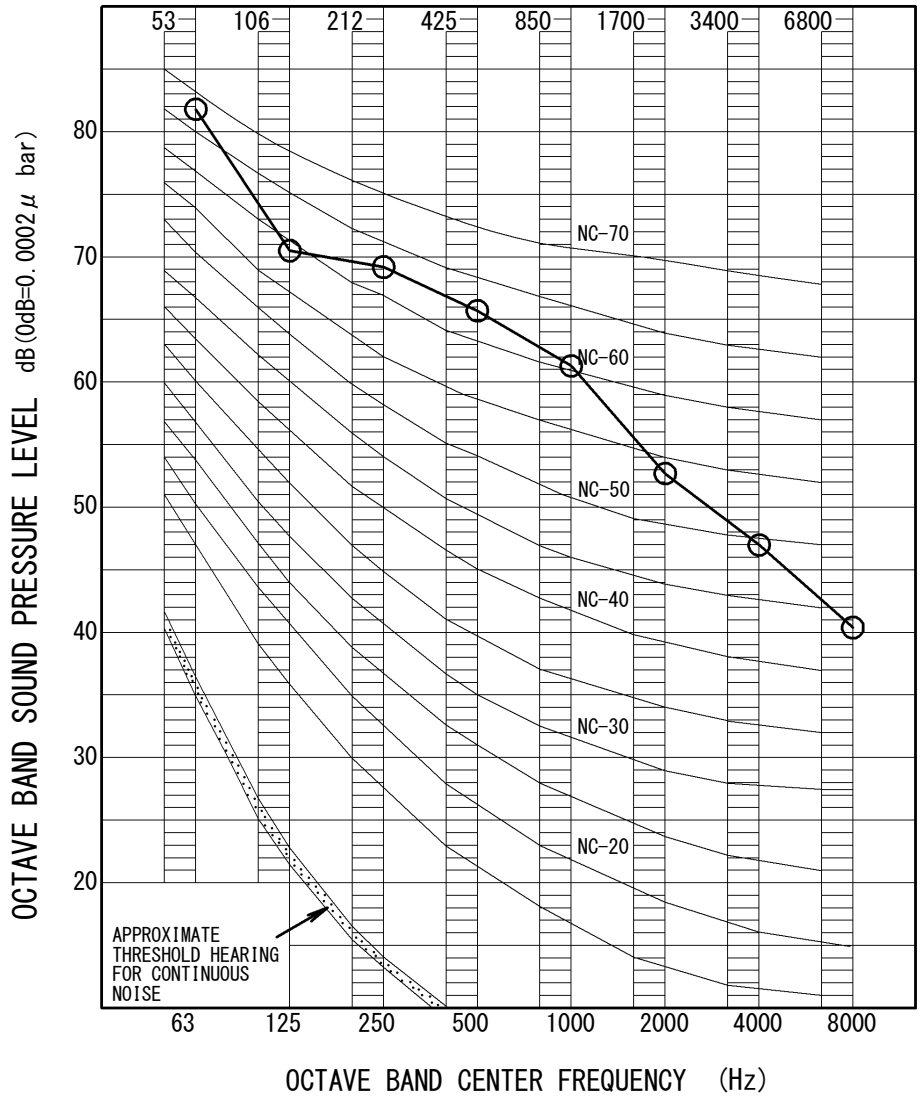
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

4D159473

RXYA192AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	67

(B.G.N IS ALREADY RECTIFIED)

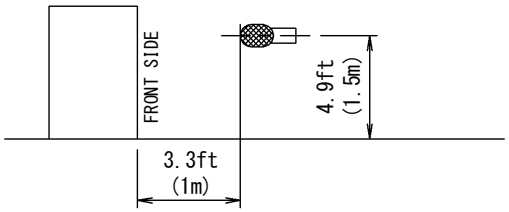
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER (CONVERSION VALUE)

LOCATION OF MICROPHONE



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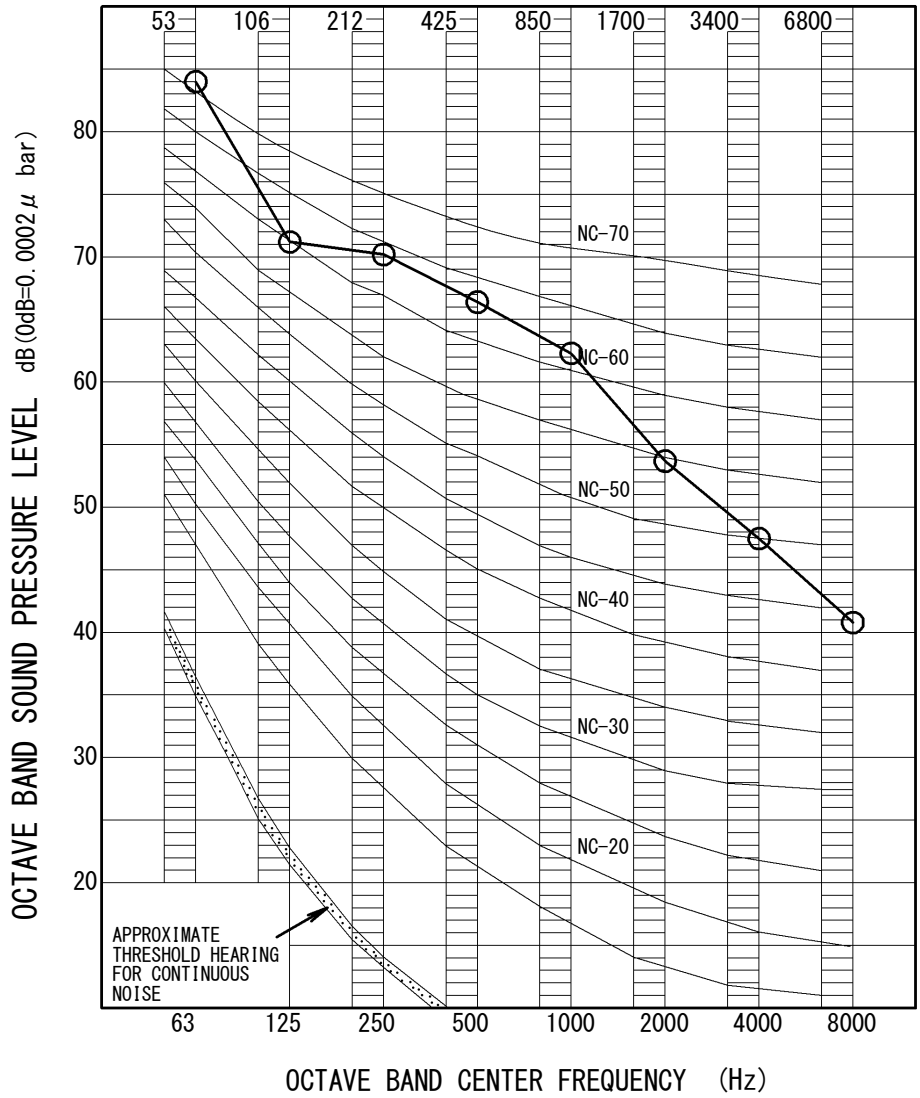
IT IS NORMALLY OVER THE SET VALUE DUE TO ENVIRONMENTAL NOISE
AND SOUND REFLECTION.

4D159474

RXYA216AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	68

(B.G.N IS ALREADY RECTIFIED)

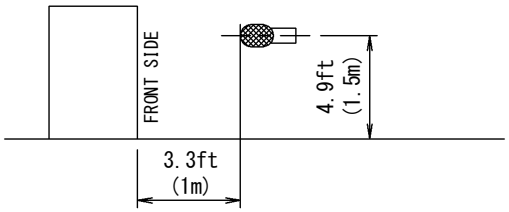
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

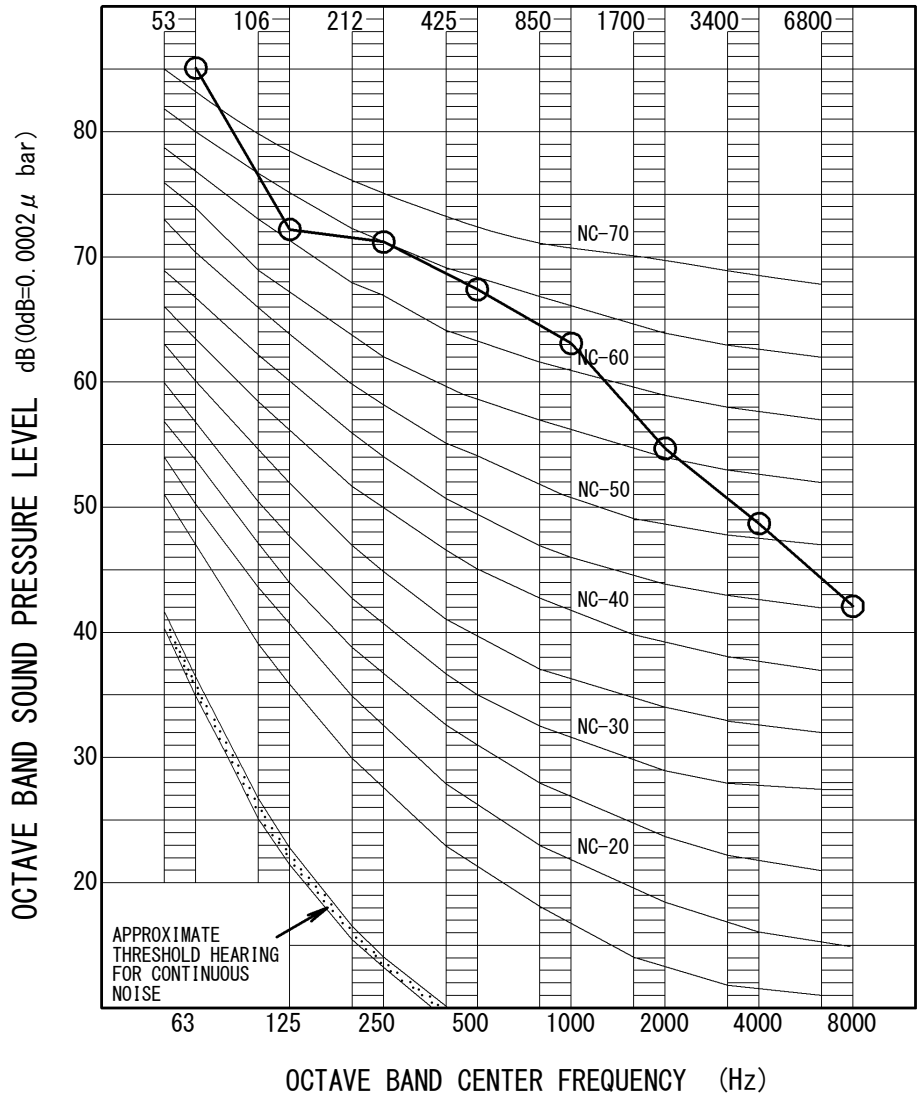
LOCATION OF MICROPHONE



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

4D159475

RXYA240AATJA / AAYDA



OVER ALL (dB)

SCALE	60Hz
A	69

(B.G.N IS ALREADY RECTIFIED)

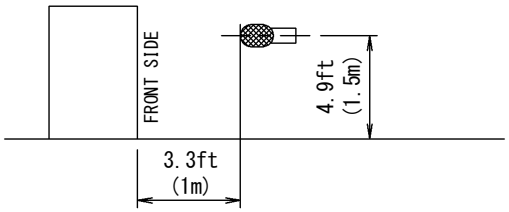
OPERATING CONDITIONS

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

MEASURING PLACE

ANECHOIC CHAMBER(CONVERSION VALUE)

LOCATION OF MICROPHONE



NOTE : THE OPERATING SOUND IS MEASURED IN ANECHOIC CHAMBER,
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AND SOUND REFLECTION.

4D159476

13. Accessories

13.1 Optional Accessories

RXYA72 - 480AATJA / AAYDA

Outdoor unit capacity type	Outdoor unit multi connection piping kit and reducer piping kit	REFNET joint kit at the first branch from the outdoor units
RXYA72 - 120A type	-	KHRA26A33TA
RXYA144 - 240A type		KHRA26M72TA
RXYA264A type	BHFA22P100UA + KHFA26P100UA *2	
RXYA288 - 480A type		KHRA26M73TA

Indoor unit capacity index	REFNET header kit *1	REFNET joint kit *1
<72	KHRA26M22HA: maximum 4 indoor units or KHRA26M33HA: maximum 8 indoor units	KHRA26A22TA
72≤×<111	KHRA26M33HA	KHRA26A33TA
111≤×<230	KHRA26M72HA	KHRA26M72TA
230≤×<246	KHRA26M73HA	
≥246		KHRA26M73TA

*1. For REFNET joints and REFNET headers, select the proper branch kit model based on the total capacity of all indoor units connected after the refrigerant branch.
*2. This reducer pipe kit is required for RXYA264 - 480A models.

Outdoor unit capacity type	Hail guard	Snow hood
RXYA72A type	VRV6HGM-K1	VRV6-SHM-FR
		VRV6-SHM-T
		VRV6-SH-RL
RXYA96 - 168A type	VRV6HGL-K1	VRV6-SHL-FR
		VRV6-SHL-T
		VRV6-SH-RL
RXYA192 - 240A type	VRV6HGXL-K1	VRV6-SHXL-FR
		VRV6-SHXL-T
		VRV6-SH-RL

Optional accessories	RXYA72 - 480 A type
Relief valve connection kit	DPRK04
Cool/Heat selector	KRC19-26A6
External control adaptor (Note 1)	DTA104A53
	DTA104A61
	DTA104A62
D3/D4 conversion unit	BRD72A-L
intelligent Touch Manager (Note 1)	DCM601B71
iTM plus adaptor	DCM601A72
intelligent Touch Controller (Note 1)	DCS601C71
Hero Pro-Edge	DGE601A71, DGE601B71
Hero Simple-Edge	DSE401B71
Plus ADP for HERO Cloud and intelligent Touch Manager	DGE601A72
D4 plus adaptor	DGE601A54
D4 plus unit	DGE601A75
D4 plus unit power supply	DGE601A751
D3 plus adaptor slot	DGE601A53
Interface for use in BACnet® (Note 2)	DMS502B71

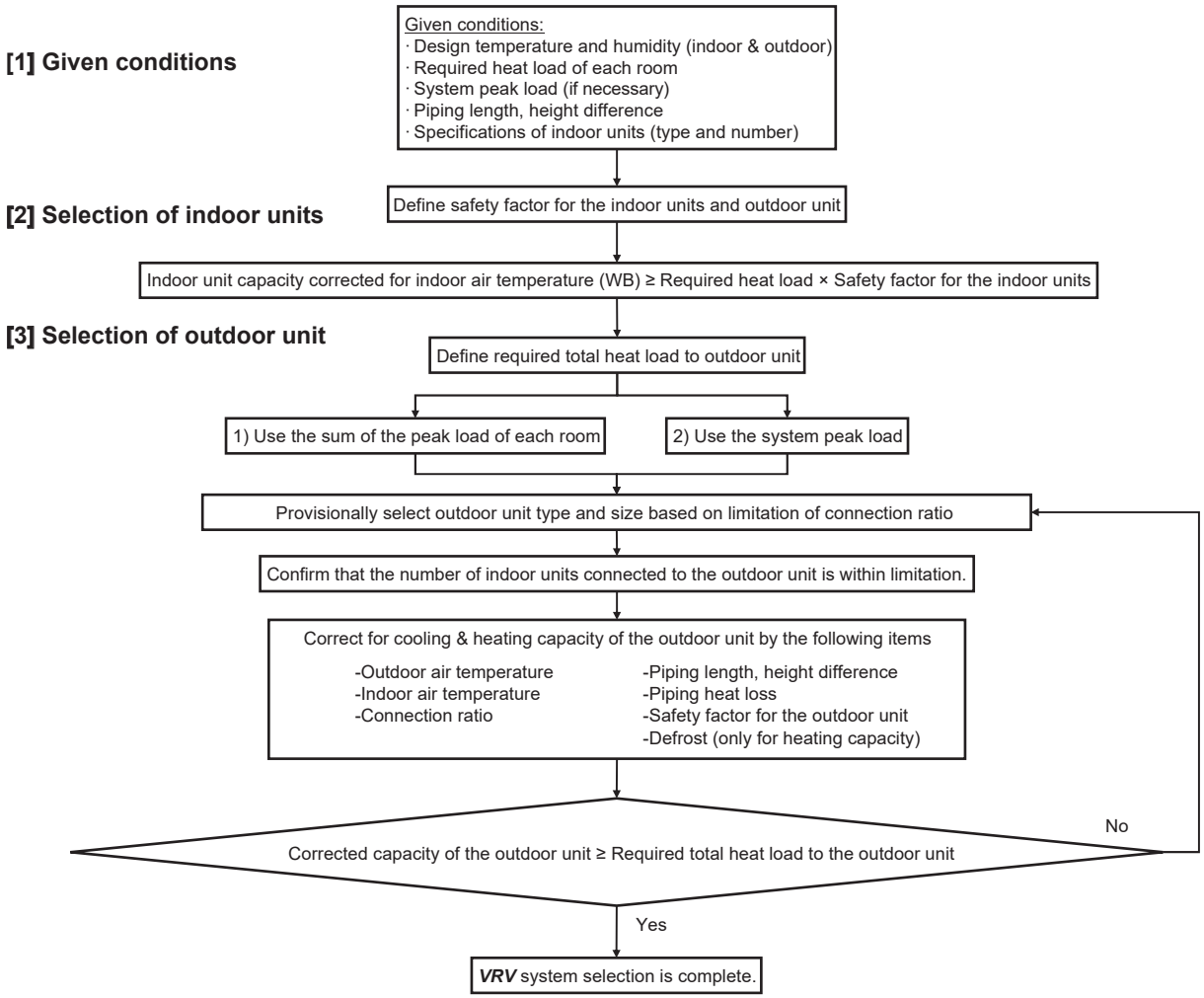
Note:

1. D3/D4 conversion unit (BRD72A-L) is required.
2. BACnet® is a trademark of ASHRAE.

14. Selection Procedure

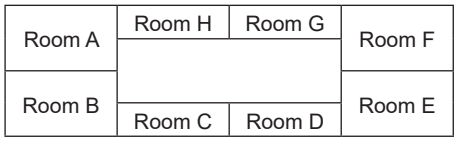
14.1 Selection Procedure

Flowchart



Selection Example

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



Floor plan

[1] Given conditions
-Design conditions
Indoor air temperature: 67°FWB / 80°FDB, Outdoor air temperature: 93°FDB

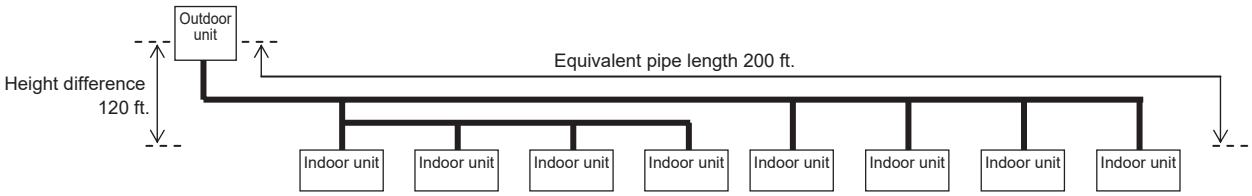
-Determine peak load of each room (and system peak load if necessary)

-Required heat load of each room

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

Total heat load (MBH)

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



Select ***VRV*** indoor units FXSA-AA series for each room.

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

[2] Selection of indoor units

Calculate total heat capacity of indoor units corrected for indoor air temperature.
In case design temperature of the indoor air falls between temperatures listed in the table, calculate the capacity by interpolation.
The corrected total heat capacity of indoor units shall satisfy the maximum heat load of each room.

Capacity table of indoor unit
Cooling capacity

Model	Indoor air temp. °FWB (°CWB) (Te: 43°F (6°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
FXSA05AAVJU	4.8	4.5	5.5	4.7	5.8	4.7	5.9	4.6	6.0	4.5	6.0	4.5
FXSA07AAVJU	6.0	4.9	6.6	5.3	7.2	5.5	7.3	5.3	7.5	5.1	7.7	5.1
FXSA09AAVJU	7.7	6.1	8.9	6.8	9.5	7.0	9.6	6.7	9.8	6.6	10.0	6.6
FXSA12AAVJU	9.6	8.5	10.9	9.4	12.0	9.7	12.3	9.2	12.4	9.0	12.6	8.9
FXSA15AAVJU	12.1	10.2	13.6	11.1	15.0	11.3	15.3	11.0	15.4	10.8	15.6	10.3
FXSA18AAVJU	14.5	12.2	16.3	13.3	18.0	13.6	18.4	13.3	18.7	13.1	18.8	12.8
FXSA24AAVJU	19.3	15.2	21.9	16.9	24.0	17.1	24.4	16.7	24.7	16.4	25.1	15.8
FXSA30AAVJU	24.2	20.1	27.6	22.4	30.0	22.6	30.6	22.0	31.0	21.6	31.6	21.0
FXSA36AAVJU	29.1	22.9	33.0	25.2	36.0	25.7	36.7	25.1	37.2	24.7	37.9	23.9
FXSA48AAVJU	38.8	30.3	44.1	33.5	48.0	34.3	49.0	33.5	49.7	33.0	50.5	31.8
FXSA54AAVJU	43.7	34.1	49.8	37.8	54.0	38.6	55.2	37.7	56.0	37.2	56.7	35.7

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	FXSA48AAVJU	FXSA48AAVJU	FXSA18AAVJU	FXSA18AAVJU	FXSA36AAVJU	FXSA36AAVJU	FXSA15AAVJU	FXSA15AAVJU
Corrected TC (MBH)	48.0	48.0	18.0	18.0	36.0	36.0	15.0	15.0

∗ 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 FXSA15AAVJU = 15
CI of FXSA18AAVJU = 18
CI of FXSA36AAVJU = 36
CI of FXSA48AAVJU = 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	Power supply, Standard
Capacity index		5.8	7.5	9.5	12	15	18	20	24	30	36	42	48	54	60	
MSP Concealed Ducted Unit	FXSA	05AA	07AA	09AA	12AA	15AA	18AA	—	24AA	30AA	36AA	—	48AA	54AA	—	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 RXYA-AA shall be between 50% and 130%.
As the total CI of the indoor units is 234, outdoor units from 16 ton to 38 ton are connectable.
Start from 16 ton which is the smallest outdoor unit.

Type	Ton	Capacity index	Model name	Total capacity index of connectable indoor units *1	Maximum number of connectable indoor units
Single outdoor unit	6	72	RXYA72AATJA RXYA72AAYDA	36 to 93 (144)	12
	8	96	RXYA96AATJA RXYA96AAYDA	48 to 124 (192)	16
	10	120	RXYA120AATJA RXYA120AAYDA	60 to 156 (240)	20
	12	144	RXYA144AATJA RXYA144AAYDA	72 to 187 (288)	25
	14	168	RXYA168AATJA RXYA168AAYDA	84 to 218 (336)	29
	16	192	RXYA192AATJA RXYA192AAYDA	96 to 249 (384)	33
	18	216	RXYA216AATJA RXYA216AAYDA	108 to 280 (432)	37
	20	240	RXYA240AATJA RXYA240AAYDA	120 to 312 (480)	41
Double outdoor units	22	264	RXYA264AATJA RXYA264AAYDA	132 to 343 (528)	45
	24	288	RXYA288AATJA RXYA288AAYDA	144 to 374 (576)	49
	26	312	RXYA312AATJA RXYA312AAYDA	156 to 405 (624)	54
	28	336	RXYA336AATJA RXYA336AAYDA	168 to 436 (672)	58
	30	360	RXYA360AATJA RXYA360AAYDA	180 to 468 (720)	62
	32	384	RXYA384AATJA RXYA384AAYDA	192 to 499 (768)	64
	34	408	RXYA408AATJA RXYA408AAYDA	204 to 530 (816)	64
	36	432	RXYA432AATJA RXYA432AAYDA	216 to 561 (864)	64
	38	456	RXYA456AATJA RXYA456AAYDA	228 to 592 (912)	64
	40	480	RXYA480AATJA RXYA480AAYDA	240 to 624 (960)	64

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

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

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

-Calculate the connection ratio of the system.

Total CI = 234, CI of RXYA192AAYDA = 192

Connection ratio = 234 / 192 = 122%

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

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

RXYA192AATJA / AAYDA Cooling Capacity for Standard Condition (Te: 43°F)

Combination	Outdoor air temp.	Indoor air temp. °FWB													
		57		61		64		67		70		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	23	146	5.27	188	6.94	219	8.26	250	9.63	271	10.6	275	10.7	281	10.8
	30	146	5.43	188	7.16	219	8.53	250	10.0	265	10.8	269	10.8	275	10.9
	40	146	5.69	188	7.51	219	8.96	250	10.8	256	11.0	260	11.0	266	11.1
	50	146	5.96	188	7.90	219	9.62	242	11.1	248	11.2	251	11.3	257	11.3
	54	146	6.08	188	8.06	219	9.94	238	11.2	244	11.3	248	11.3	254	11.4
	58	146	6.21	188	8.23	219	10.3	235	11.3	241	11.4	245	11.4	250	11.5
	62	146	6.34	188	8.49	219	10.6	231	11.3	237	11.4	241	11.5	247	11.6
	66	146	6.47	188	8.78	219	11.0	228	11.4	234	11.5	238	11.6	243	11.7
	70	146	6.62	188	9.24	219	11.6	224	11.7	230	11.8	234	11.9	240	12.0
	72	146	6.78	188	9.61	217	11.9	223	12.0	229	12.1	232	12.2	238	12.3
	75	146	7.17	188	10.2	214	12.3	220	12.4	226	12.6	230	12.7	236	12.8
	79	146	7.71	188	11.0	211	12.9	217	13.0	222	13.2	226	13.3	232	13.4
	83	146	8.28	188	11.8	207	13.5	213	13.6	219	13.8	223	13.9	229	14.0
	87	146	8.88	188	12.7	204	14.1	210	14.2	216	14.4	219	14.5	225	14.6
	91	146	9.52	188	13.6	200	14.7	206	14.9	212	15.0	216	15.1	217	15.1
	93	146	9.86	188	14.1	199	15.0	205	15.2	210	15.3	212	15.4	212	15.4
	95	146	10.2	188	14.6	197	15.3	203	15.5	208	15.6	208	15.6	208	15.6
	99	146	10.9	188	15.7	194	15.9	199	16.1	199	16.1	200	16.1	200	16.1
	103	146	11.7	184	16.3	190	16.5	191	16.5	191	16.5	191	16.5	191	16.5
	106	146	12.5	182	17.0	184	17.1	185	17.1	185	17.1	185	17.1	185	17.1
	110	146	13.6	176	17.8	176	17.8	176	17.9	176	17.9	176	17.9	176	17.9
	115	142	14.4	142	14.5	142	14.5	143	14.6	143	14.6	143	14.6	143	14.7
	118	121	12.3	122	12.4	122	12.5	122	12.5	123	12.5	123	12.6	123	12.6
	122	94.5	9.60	94.9	9.65	95.2	9.69	95.5	9.73	95.9	9.78	96.1	9.80	96.4	9.85
120	23	135	4.84	173	6.34	202	7.53	230	8.78	259	10.0	271	10.6	276	10.7
	30	135	4.99	173	6.54	202	7.78	230	9.07	259	10.6	264	10.8	270	10.8
	40	135	5.21	173	6.86	202	8.16	230	9.60	252	10.9	256	11.0	261	11.1
	50	135	5.46	173	7.20	202	8.59	230	10.4	244	11.1	247	11.2	252	11.3
	54	135	5.57	173	7.35	202	8.84	230	10.7	240	11.2	244	11.3	249	11.4
	58	135	5.68	173	7.51	202	9.13	230	11.1	237	11.3	240	11.3	246	11.4
	62	135	5.80	173	7.67	202	9.44	228	11.3	233	11.4	237	11.4	242	11.5
	66	135	5.92	173	7.84	202	9.76	224	11.4	230	11.5	233	11.5	239	11.6
	70	135	6.05	173	8.24	202	10.3	221	11.6	226	11.7	230	11.8	235	11.9
	72	135	6.12	173	8.56	202	10.7	219	11.9	224	12.0	228	12.1	233	12.2
	75	135	6.44	173	9.06	202	11.3	217	12.4	222	12.5	225	12.6	231	12.7
	79	135	6.92	173	9.76	202	12.2	213	13.0	218	13.1	222	13.2	227	13.3
	83	135	7.43	173	10.5	202	13.2	210	13.6	215	13.7	219	13.8	224	13.9
	87	135	7.96	173	11.3	201	14.0	206	14.2	211	14.3	215	14.4	220	14.5
	91	135	8.53	173	12.1	197	14.6	203	14.8	208	14.9	212	15.0	217	15.1
	93	135	8.83	173	12.5	196	14.9	201	15.1	206	15.2	210	15.3	212	15.4
	95	135	9.13	173	13.0	194	15.2	199	15.4	205	15.5	208	15.6	208	15.6
	99	135	9.77	173	13.9	190	15.8	196	16.0	199	16.1	200	16.1	200	16.1
	103	135	10.5	173	14.9	187	16.4	191	16.5	191	16.5	191	16.5	191	16.5
	106	135	11.1	173	16.0	184	17.1	185	17.1	185	17.1	185	17.1	185	17.1
	110	135	12.1	173	17.4	176	17.8	176	17.9	176	17.9	176	17.9	176	17.9
	115	135	13.5	142	14.5	142	14.5	143	14.6	143	14.6	143	14.6	143	14.7
	118	121	12.3	122	12.4	122	12.5	122	12.5	123	12.5	123	12.6	123	12.6
	122	94.5	9.60	94.9	9.65	95.2	9.69	95.5	9.73	95.9	9.78	96.1	9.80	96.4	9.85

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) = 0.949

1.Rate of change of cooling capacity

Step 3

	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	361	-	-	-	-	-	-	-	-	-	-	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.82
	328	-	-	-	-	-	-	-	-	-	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.82
	295	-	-	-	-	-	-	-	-	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.82
	262	-	-	-	-	-	-	-	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83	0.82
	230	-	-	-	-	-	-	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83	0.82
	197	-	-	-	-	-	0.95	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83	0.82
	164	-	-	-	-	0.97	0.95	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83	0.82
Step 1 →	131	-	-	-	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83	0.82
Step 2 →	98	-	-	1.00	0.99	0.97	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82
	66	-	1.00	1.00	0.99	0.97	0.96	0.94	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82
	25	1.00	1.00	1.00	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.86	0.85	0.84	0.83	0.83	0.82
FL±	0	1.00	1.00	1.00	0.99	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82
Indoor Higher than Outdoor	25	1.00	1.00	1.00	0.99	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82
	66	-	1.00	1.00	1.00	0.98	0.96	0.94	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.83
	98	-	-	1.00	1.00	0.98	0.96	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83
	131	-	-	-	1.00	0.98	0.96	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83
	164	-	-	-	-	0.98	0.97	0.95	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83
	197	-	-	-	-	-	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83
	230	-	-	-	-	-	-	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.83
	262	-	-	-	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83
	295	-	-	-	-	-	-	-	-	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.83
	328	-	-	-	-	-	-	-	-	-	0.91	0.90	0.89	0.87	0.86	0.86	0.85	0.84	0.83	0.83
	361	-	-	-	-	-	-	-	-	-	-	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83

Step 1) Calculate correction factor of equivalent length 200 ft at vertical pipe length 131 ft

Equivalent length	197 ft	200 ft	230 ft
Correction factor at vertical pipe length 131 ft	0.95	(X)	0.94

(X) = 0.95 + (0.94 – 0.95) × (200 – 197) / (230 – 197)
= 0.949

Step 2) Calculate correction factor of equivalent length 200 ft at vertical pipe length 98 ft

Equivalent length	197 ft	200 ft	230 ft
Correction factor at vertical pipe length 98 ft	0.95	(Y)	0.94

(Y) = 0.95 + (0.94 – 0.95) × (200 – 197) / (230 – 197)
= 0.949

Step 3) Calculate correction factor of equivalent length 200 ft at vertical pipe length 120 ft

Vertical pipe length	Correction factor at equivalent length 200 ft
131 ft	0.949
120 ft	(K1)
98 ft	0.949

(K1) = 0.949 + (0.949 – 0.949) × (120 – 98) / (131 – 98)
= 0.949

-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 = 0.007*2 + (0.009*1 – 0.007*2) × (93*3 – 86*4) / (95*5 – 86*4) = 0.0086

Using “Equivalent piping length = 200 ft” and “Heat loss factor per feet = 0.0086”,
(K2) = 1 + (0.0086 × (200 – 25)) / 100 = 1.015

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	0.001	0.003	0.004	0.007*2	(R)	0.009*1	0.012

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
	0.030	0.028	0.026	0.024	0.022	0.019	0.017	0.015

-Calculate the corrected capacity of RXYA192AAYDA (C) by using (K1) and (K2).
Corrected capacity of RXYA192AAYDA (C) = (B) × (K1) / (K2) (add defrost correction factor for heating capacity)
Therefore (C) = 201.8 × 0.949 / 1.015 = 188.7 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, 188.7 MBH (C) > 173.0 MBH (A), so selection is complete.

15. Caution Label

15.1 Cautions on Service

RXYA-AATJA / AAYDA

Service Precautions

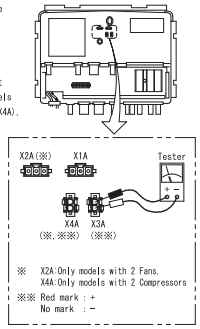
(Touch the non-coating metal part (Ex. the EL.COMPO.BOX cover) to eliminate static electricity before performing service.)

After finish service, make sure to close service cover. (water soaking and foreign object may cause failure)

Caution when performing service inside the EL.COMPO.BOX

⚠ WARNING | ⚠ Caution to ELECTRIC SHOCK

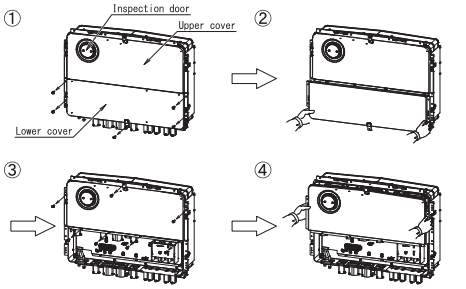
1. Make sure to turn off power supply before remove the EL.COMPO.BOX cover. (Touching electric parts may cause electric shock.)
2. Do not open the EL.COMPO.BOX cover for 10 minutes after the power supply is turned off.
3. Measure the voltage between terminals on the terminal block for power supply with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



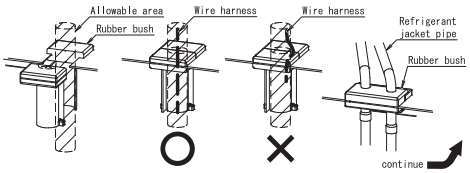
(・For details, see the wiring diagram labeled on the back of the EL.COMPO.BOX cover.
・Otherwise, error code "E7" will be displayed on 7 segment display of outdoor unit PC board (A1P) and in the remote controller due to wrong connection, and normal operation will not be performed.)

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

[Method of removal]
① Remove the 5 screws fixing the lower cover.
② Remove the lower cover towards you.
③ Remove the 7 screws fixing the upper cover.
④ Remove the upper cover towards you.
[Method of installation]
For installing the cover follow the procedures in the reverse order.



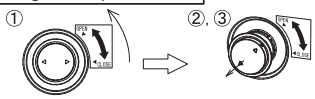
[Caution]
● Pinch the wire harness with a rubber bush.
● Ensure the wiring passes through the hole in the rubber bush.



continue

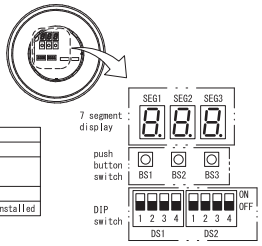
Caution for removing and installing the inspection door

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



Field Setting

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



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

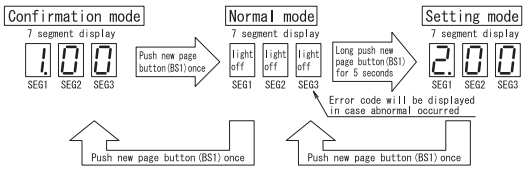
● Function of push button

Push button	Button types	Use
BS1	New page button	For changing setting mode
BS2	Operation button	For changing field setting
BS3	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 an additional indoor unit is installed

● Normal mode, Setting mode, Confirmation mode change method

Push new page button (BS1) it can be switched to as shown below Normal mode, Setting mode, Confirmation mode.

(Setting mode can use for setting Ⓐ～Ⓙ items as shown in the table below.
Confirmation mode can use for confirmation of Ⓚ, Ⓛ items as shown in the table below.
(Note) About other setting and error code, see service manual.)



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

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

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

	Set Setting mode or Confirmation mode first, then perform procedure as below.		Details of setting	7 segment display		
				SEG1	SEG2	SEG3
Setting procedure	① Push the operation button (BS2) following to setting items (Ⓐ～Ⓙ) and adjust the 7 segment display to require mode shown in the right. (※1) For selecting low noise operation, demand operation by outside order or VRT setting by external control adapter for outdoor unit (optional accessory) is required. For details, see the instruction attached the adapter.		Ⓐ VRT setting (※1)	2	0	7
			Ⓑ External low noise demand operation setting (※1)	2	1	2
			Ⓒ High static pressure setting	2	1	8
			Ⓓ Additional refrigerant charge or wrong wiring automatic detection setting	2	2	0
			Ⓔ Refrigerant recovery / Evacuation mode setting	2	2	1
			Ⓕ Night time low noise setting	2	2	2
			Ⓖ External low noise level setting (※1)	2	2	5
			Ⓗ Demand operation level setting (※1)	2	3	0
			Ⓙ Low ambient cooling (outdoor temp. −4°F(−20°C)) setting	2	4	5
	② Push the confirmation button (BS3) (The present setting will be indicated).			Either of ③		
	③ Push the operation button (BS2) and adjust the 7 segment display to required mode, shown in the right.	For Ⓐ	OFF (Factory setting)	light off	light off	0
			VRT setting by connecting "low noise sound" terminal	light off	light off	1
			VRT setting by connecting "demand input" terminal	light off	light off	2
	(※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 ⒷⒸⒺⒿ	ON	light off	light off	1
			OFF (Factory setting)	light off	light off	0
		For Ⓓ	For additional refrigerant charging operation	light off	light off	1
			For wrong wiring automatic detection operation	light off	light off	2
	For details, see the service manual. (※3) A is a number of 1 ～ 3 (※4) B is a number of 1 ～ 8	For Ⓕ (※2)	OFF (Factory setting)	light off	light off	0
			level A (※3)	light off	light off	A (※3)
		For Ⓖ (※2)	level A (※3) (Factory setting:2)	light off	light off	A (※3)
		For Ⓗ (※2)	level B (※4) (Factory setting:3)	light off	light off	B (※4)
	④ Push confirmation button (BS3)		The setting in ③ is defined	If will turn to light ON.		
	⑤ Push confirmation button again (BS3)		The system start the operation according to the setting.	2	0	0
	⑥ Push new page button (BS1)		Return to Normal mode	light off	light off	light off
Confirmation procedure	① Push operation button (BS2) according to confirmation item (Ⓚ, Ⓛ) and adjust the 7 segment display to required mode, shown in the right.		Ⓚ Low noise mode	1	0	1
			Ⓛ Demand operation	1	0	2
	② Push confirmation button (BS3) (The present setting will be indicated)		For during setting operation	light off	light off	1
			For during normal operation	light off	light off	0

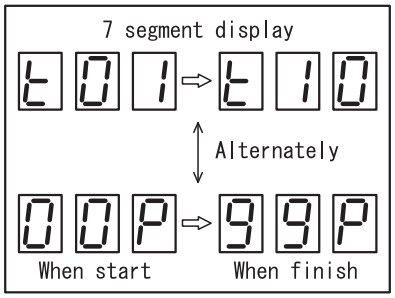
C: 2P839245A

Check operation method

- Make sure to open the all stop valve before starting operation.
- Do NOT open stop valve on the suction gas side for RX type.

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

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



【Operation procedure】

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

② In stop condition, set to Normal mode.

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

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

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

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

【Measure for error finish】

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

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

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

Additional refrigerant charging operation

- If all the refrigerant could not be charged while the outdoor unit was in a stopped state, charge the remaining refrigerant according to the procedure below. If the refrigerant quantity is insufficient, the unit may malfunction.

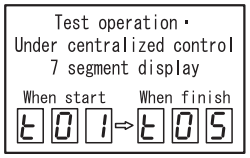
Setting procedure

① Connect the refrigerant charge hose and valve to the stop valve service port on the suction gas side.
In the case of the RX type, connect the refrigerant charge hose to the high/low pressure gas pipe.

② Make sure to completely open stop valve on the suction gas side, high/low pressure gas side and the liquid side.
Do NOT open stop valve on the suction gas side for RX type.

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

④ In the stopped status, set the addition set ON to the additional refrigerant charging operation by Setting mode, and open refrigerant cylinder valve. About valve pulse, make sure to adjust refrigerant charging speed as 1kg/minute.



- The operation is automatically started, 7 segment display will be charged 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.

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, 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 R32 in order to withstand the pressure and prevent impurities (such as SUNISO oil) from mixing into.
- Carry out a nitrogen blow when brazing.
- Charge the additional refrigerant in liquid state.
- Perform the airtightness and the vacuum drying certainly. (Test pressure 580 psi (4.0 MPa))

Service mode operation method

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

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

① When the units is in stopping condition and under the Setting mode set the Ⓔ Refrigerant recovery/Evacuation mode (※).

② Evacuate the system with a vacuum pump.

③ Push confirmation button (BS3) after finish evacuation and reset the evacuation mode.

(※) The expansion valves in the indoor and outdoor units will be opened completely 7 segment display will be changed as shown in the below and "Test operation" and "Under centralized control" will be displayed in the remote controller. The operation will be rejected.

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

7 segment display t01

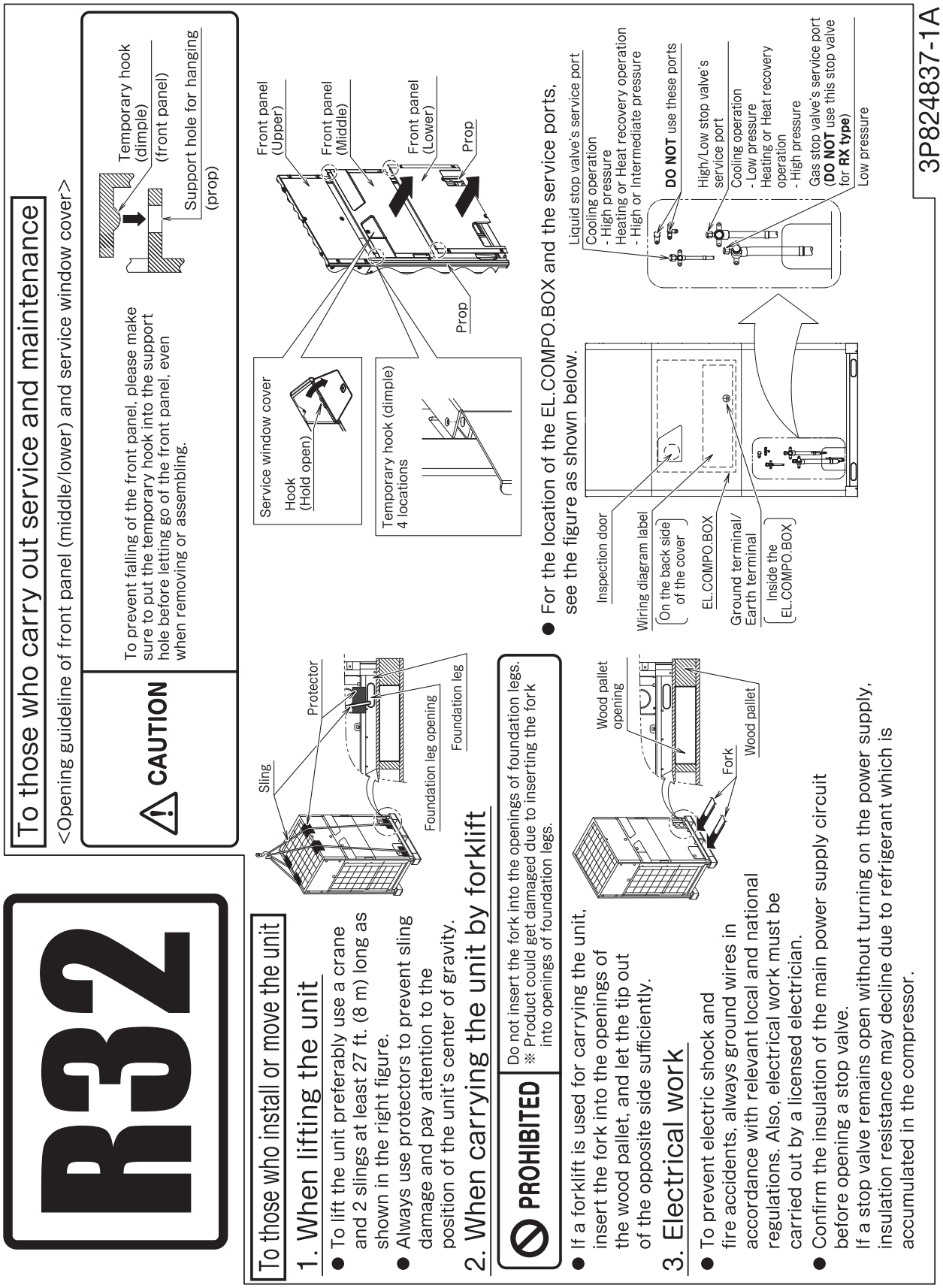
① When the unit is at standstill and under the Setting mode set the Ⓔ Refrigerant recovery/Evacuation mode to ON.

② Recovery the refrigerant by a refrigerant reclaimer (For details, see the manual attached in refrigerant reclaimer recovery operation method).

③ After completed, push the confirmation button (BS3) and reset the refrigerant recovery mode.

15.2 Collective Indications Label

RXYA72AATJA / AAYDA



C: 3P824837A

REYA96 / 120 / 144 / 168AATJA / AAYDA

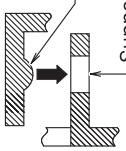
R32

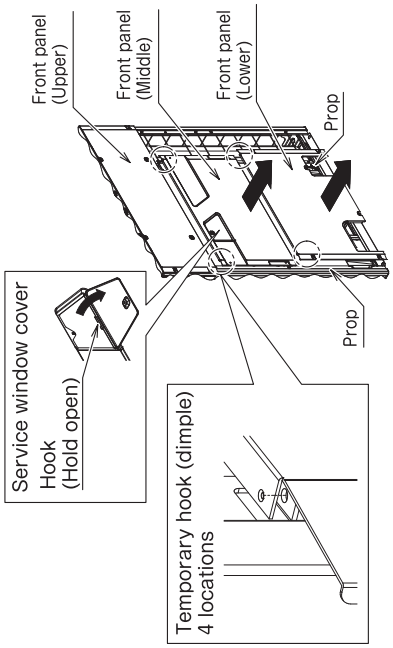
To those who carry out service and maintenance

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

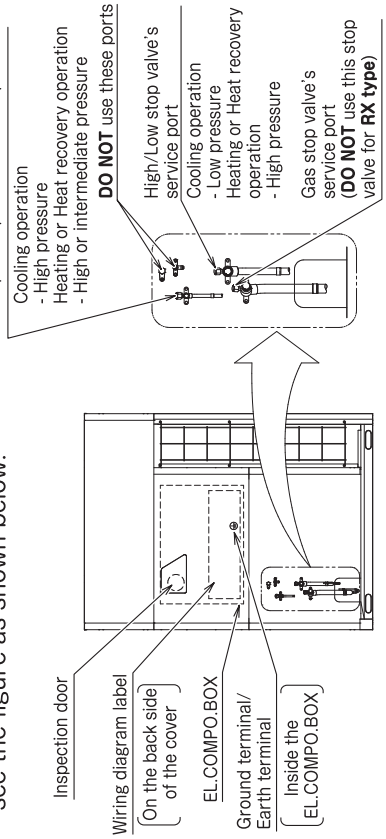
CAUTION

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





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



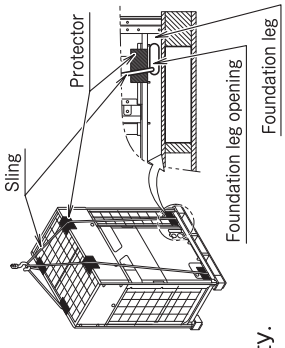
3P839237-1A

To those who install or move the unit

1. When lifting the unit

● To lift the unit preferably use a crane and 2 slings at least 27 ft. (8 m) long as shown in the right figure.

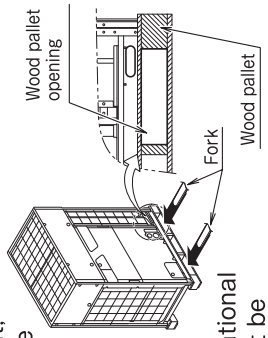
● Always use protectors to prevent sling damage and pay attention to the position of the unit's center of gravity.



2. When carrying the unit by forklift

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

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



3. Electrical work

● To prevent electric shock and fire accidents, always ground wires in accordance with relevant local and national regulations. Also, electrical work must be carried out by a licensed electrician.

● Confirm the insulation of the main power supply circuit before opening a stop valve.
If a stop valve remains open without turning on the power supply, insulation resistance may decline due to refrigerant which is accumulated in the compressor.

C: 3P839237A

REYA192 / 216 / 240AATJA / AAYDA

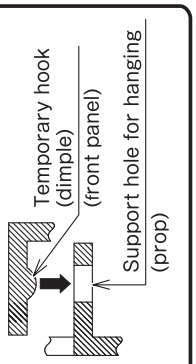
R32

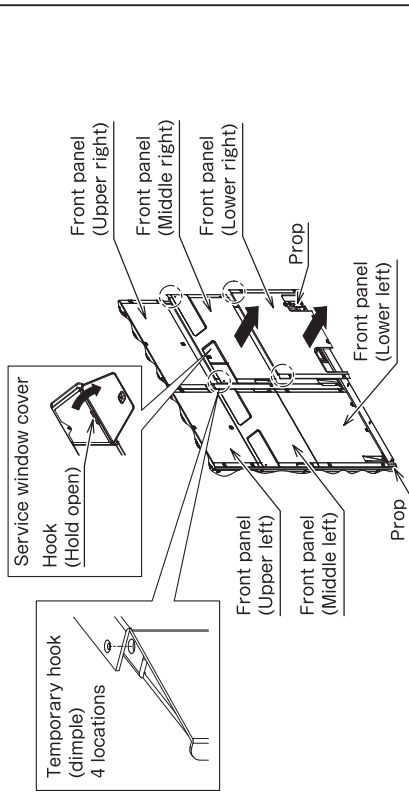
To those who carry out service and maintenance

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

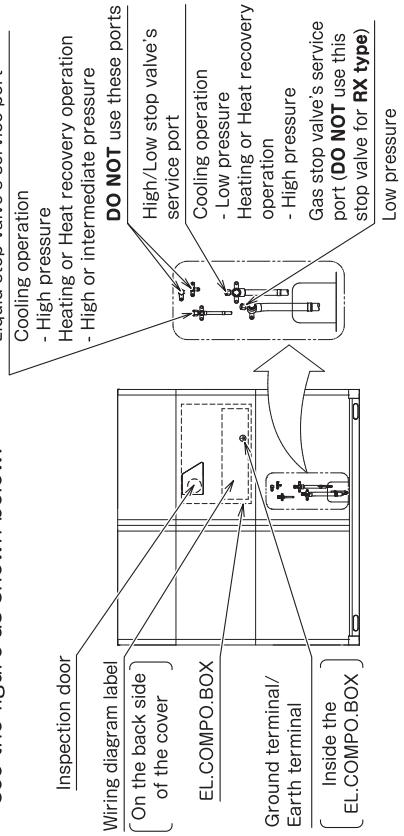
CAUTION

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





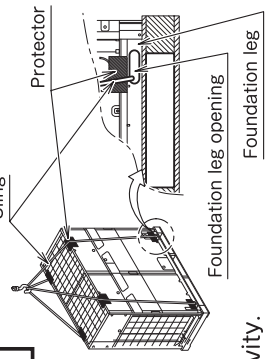
● For the location of the EL.COMPO.BOX and the service ports, see the figure as shown below.



3P839239-1A

To those who install or move the unit

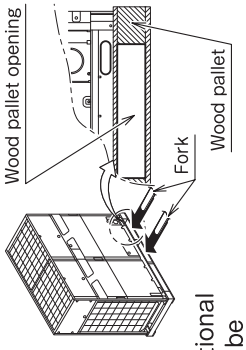
1. When lifting the unit



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

2. When carrying the unit by forklift

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



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

3. Electrical work

- To prevent electric shock and fire accidents, always ground wires in accordance with relevant local and national regulations. Also, electrical work must be carried out by a licensed electrician.
- Confirm the insulation of the main power supply circuit before opening a stop valve.
  If a stop valve remains open without turning on the power supply, insulation resistance may decline due to refrigerant which is accumulated in the compressor.

C: 3P839239A

16. Caution for Refrigerant Leaks

16.1 Introduction

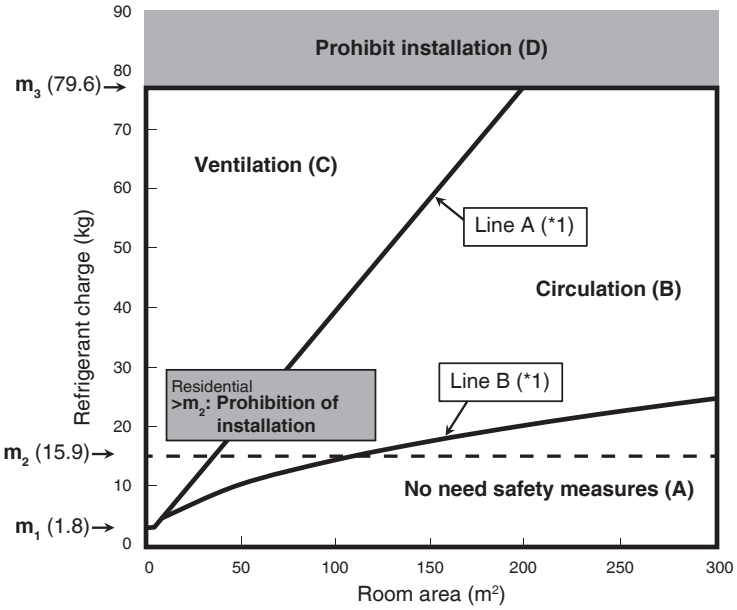
These systems are charged with R32 refrigerant. Please refer to ASHRAE 15 and local standards and building code as applicable when installing this equipment. In the absence of codes, the following guidelines could be considered.

Safety measures at the installation area

Take safety measures according to the following table depending on the installation area.

For refrigerant charge and total refrigerant charge limit (the releasable charge), definition of room area, refer to chapter 16.2 “To determine the charge limit for R32 refrigerant”.

For systems with Branch Selector units or Safety Shut-Off Valve units, the releasable charge to the space may be reduced. However, it is not valid if installed in the same room as the indoor unit. Please see WebXpress (https://webxpress.daikincity.com) and relevant codes and standards for more information.



*1. Line A and B vary depending on the installation height of the indoor unit. For more accurate values, see to the table of Total refrigerant charge limit and the table of Max. refrigerant charge with no safety measures required.

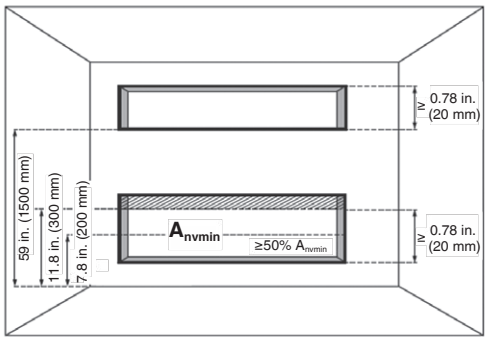
Installation area	Safety measures requirements				Installation requirements for safety measure requirements
	Leak detection	Circulation	Ventilation	Operation when leak is occurred	
(A)	–	–	–	–	Possible to invalidate safety functions (*1)
(B)	○	○	–	Leak detection →Circulation	Not required (*2)
(C)	○	(○)	○	Leak detection →Ventilation	Install external ventilation system linked to leak detection (*3) or openings for natural ventilation (*4)

*1. Refrigerant leak sensors have a limited life span and are recommended to be disabled for areas where no safety measures are required.
The leak sensor can be disabled by setting Mode No.15 (25)-13 to 1 in the local settings of the remote controller. Though setting of Mode No. is carried out as a group, if you intend to carry out individual setting by each indoor unit or confirmation after setting, carry out setting with the Mode No. shown in the parenthesis ( ). See the instruction manual of the remote control for the local setting method.

*2. Indoor units for R32 are equipped with a refrigerant leak sensor. When leakage is detected, the unit performs circulation operation. There is no need to prepare other safety devices.

*3. The optional relay PC board for providing an output signal from the indoor unit is required to activate external devices such as a ventilation system. For more information, refer to the installation manual of the relay PC board.
Ensure a ventilation airflow rate of at least 130 m³/h.

*4. The requirements for openings for natural ventilation are as follows.



A_{nvmin} Minimal natural ventilation area

- Natural ventilation to the outdoors is not allowed below ground level.
- Natural ventilation from an occupied space shall not be made to the outdoors.

Note: User can block the natural ventilation to the outside if it is cold outside.

- The area of any openings above 11.8 in. (300 mm) from the floor does not count when determining A_{nvmin}
- At least 50% of A_{nvmin} is less than 7.8 in. (200 mm) above the floor
- The height of the opening is ≥ 0.78 in. (20 mm)

For the upper opening:

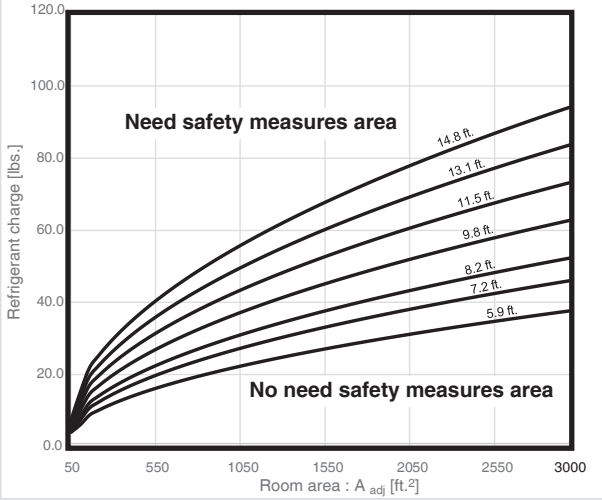
- the opening cannot be closed
- the opening must be ≥ 50% of A_{nvmin}
- the bottom of the upper opening must be ≥ 59 in. (1500 mm) above the floor
- the height of the opening is ≥ 0.78 in. (20 mm)

Note: The requirement for the upper opening can be met by drop ceilings, ventilation ducts or similar arrangements that provide an airflow path between the connected rooms.

- The minimum opening area for natural ventilation (A_{nvmin}) to an indoor space: 0.129 ft.^{2} (0.012 m^2)

◆Safety measures required or not (SI unit)

◆Safety measures required or not (FPS unit)



A_{adj} [m²]	Max. refrigerant charge with no safety measures required (kg)						
	Effective installation height (h)						
	1.8 m	2.2 m	2.5 m	3.0 m	3.5 m	4.0 m	4.5 m
5	1.8	1.8	1.9	2.3	2.7	3.1	3.4
10	2.8	3.4	3.8	4.6	5.4	6.1	6.9
15	4.0	4.8	5.5	6.6	7.7	8.8	9.9
20	4.6	5.6	6.4	7.6	8.9	10.2	11.5
25	5.1	6.3	7.1	8.5	10.0	11.4	12.8
30	5.6	6.9	7.8	9.3	10.9	12.5	14.0
35	6.1	7.4	8.4	10.1	11.8	13.5	15.1
40	6.5	7.9	9.0	10.8	12.6	14.4	16.2
45	6.9	8.4	9.5	11.5	13.4	15.3	17.2
50	7.2	8.9	10.1	12.1	14.1	16.1	18.1
55	7.6	9.3	10.5	12.7	14.8	16.9	19.0
60	7.9	9.7	11.0	13.2	15.4	17.6	19.8
65	8.3	10.1	11.5	13.8	16.1	18.3	20.6
70	8.6	10.5	11.9	14.3	16.7	19.0	21.4
75	8.9	10.8	12.3	14.8	17.2	19.7	22.2
80	9.2	11.2	12.7	15.3	17.8	20.4	22.9
85	9.4	11.5	13.1	15.7	18.4	21.0	23.6
90	9.7	11.9	13.5	16.2	18.9	21.6	24.3
95	10.0	12.2	13.9	16.6	19.4	22.2	25.0
100	10.2	12.5	14.2	17.1	19.9	22.8	25.6
105	10.5	12.8	14.6	17.5	20.4	23.3	26.2
110	10.7	13.1	14.9	17.9	20.9	23.9	26.9
115	11.0	13.4	15.3	18.3	21.4	24.4	27.5
120	11.2	13.7	15.6	18.7	21.8	24.9	28.0
125	11.5	14.0	15.9	19.1	22.3	25.4	28.6
130	11.7	14.3	16.2	19.5	22.7	25.9	29.2
135	11.9	14.5	16.5	19.8	23.1	26.4	29.7
140	12.1	14.8	16.8	20.2	23.6	26.9	30.3
145	12.3	15.1	17.1	20.6	24.0	27.4	30.8
150	12.5	15.3	17.4	20.9	24.4	27.9	31.4
155	12.8	15.6	17.7	21.3	24.8	28.3	31.9
160	13.0	15.8	18.0	21.6	25.2	28.8	32.4
165	13.2	16.1	18.3	21.9	25.6	29.2	32.9
170	13.4	16.3	18.5	22.3	26.0	29.7	33.4
175	13.5	16.6	18.8	22.6	26.3	30.1	33.9
180	13.7	16.8	19.1	22.9	26.7	30.5	34.4
185	13.9	17.0	19.3	23.2	27.1	31.0	34.8
190	14.1	17.3	19.6	23.5	27.4	31.4	35.3
195	14.3	17.5	19.9	23.8	27.8	31.8	35.8
200	14.5	17.7	20.1	24.1	28.2	32.2	36.2
205	14.7	17.9	20.4	24.4	28.5	32.6	36.7
210	14.8	18.1	20.6	24.7	28.9	33.0	37.1
215	15.0	18.4	20.9	25.0	29.2	33.4	37.5
220	15.2	18.6	21.1	25.3	29.5	33.8	38.0

A_{adj} [ft.²]	Max. refrigerant charge with no safety measures required (lbs.)						
	Effective installation height (h)						
	5.9 ft.	7.2 ft.	8.2 ft.	9.8 ft.	11.5 ft.	13.1 ft.	14.8 ft.
54	4.0	4.0	4.2	5.1	5.9	6.7	7.6
108	6.1	7.4	8.4	10.1	11.8	13.5	15.2
161	8.7	10.7	12.1	14.6	17.0	19.4	21.9
215	10.1	12.3	14.0	16.8	19.6	22.4	25.2
269	11.3	13.8	15.7	18.8	22.0	25.1	28.2
323	12.4	15.1	17.2	20.6	24.0	27.5	30.9
377	13.4	16.3	18.6	22.3	26.0	29.7	33.4
431	14.3	17.5	19.8	23.8	27.8	31.7	35.7
484	15.1	18.5	21.0	25.2	29.5	33.7	37.9
538	16.0	19.5	22.2	26.6	31.0	35.5	39.9
592	16.7	20.5	23.3	27.9	32.6	37.2	41.9
646	17.5	21.4	24.3	29.1	34.0	38.9	43.7
700	18.2	22.2	25.3	30.3	35.4	40.5	45.5
753	18.9	23.1	26.2	31.5	36.7	42.0	47.2
807	19.6	23.9	27.2	32.6	38.0	43.5	48.9
861	20.2	24.7	28.0	33.7	39.3	44.9	50.5
915	20.8	25.4	28.9	34.7	40.5	46.3	52.0
969	21.4	26.2	29.8	35.7	41.7	47.6	53.6
1023	22.0	26.9	30.6	36.7	42.8	48.9	55.0
1076	22.6	27.6	31.4	37.6	43.9	50.2	56.4
1130	23.1	28.3	32.1	38.6	45.0	51.4	57.8
1184	23.7	28.9	32.9	39.5	46.0	52.6	59.2
1238	24.2	29.6	33.6	40.4	47.1	53.8	60.5
1292	24.7	30.2	34.4	41.2	48.1	55.0	61.8
1345	25.2	30.9	35.1	42.1	49.1	56.1	63.1
1399	25.7	31.5	35.8	42.9	50.1	57.2	64.4
1453	26.2	32.1	36.4	43.7	51.0	58.3	65.6
1507	26.7	32.7	37.1	44.5	51.9	59.4	66.8
1561	27.2	33.2	37.8	45.3	52.9	60.4	68.0
1615	27.7	33.8	38.4	46.1	53.8	61.5	69.1
1668	28.1	34.4	39.0	46.9	54.7	62.5	70.3
1722	28.6	34.9	39.7	47.6	55.5	63.5	71.4
1776	29.0	35.4	40.3	48.3	56.4	64.5	72.5
1830	29.4	36.0	40.9	49.1	57.2	65.4	73.6
1884	29.9	36.5	41.5	49.8	58.1	66.4	74.7
1938	30.3	37.0	42.1	50.5	58.9	67.3	75.7
1991	30.7	37.5	42.7	51.2	59.7	68.2	76.8
2045	31.1	38.0	43.2	51.9	60.5	69.2	77.8
2099	31.5	38.5	43.8	52.5	61.3	70.1	78.8
2153	31.9	39.0	44.3	53.2	62.1	71.0	79.8
2207	32.3	39.5	44.9	53.9	62.9	71.8	80.8
2260	32.7	40.0	45.4	54.5	63.6	72.7	81.8
2314	33.1	40.5	46.0	55.2	64.4	73.6	82.8
2368	33.5	40.9	46.5	55.8	65.1	74.4	83.7

A_{adj} [m²]	Max. refrigerant charge with no safety measures required (kg)						
	Effective installation height (h)						
	1.8 m	2.2 m	2.5 m	3.0 m	3.5 m	4.0 m	4.5 m
225	15.4	18.8	21.3	25.6	29.9	34.1	38.4
230	15.5	19.0	21.6	25.9	30.2	34.5	38.8
235	15.7	19.2	21.8	26.2	30.5	34.9	39.2
240	15.9	19.4	22.0	26.4	30.9	35.3	39.7
245	16.0	19.6	22.3	26.7	31.2	35.6	40.1
250	16.2	19.8	22.5	27.0	31.5	36.0	40.5
255	16.4	20.0	22.7	27.3	31.8	36.3	40.9
260	16.5	20.2	22.9	27.5	32.1	36.7	41.3
265	16.7	20.4	23.2	27.8	32.4	37.0	41.7
270	16.8	20.6	23.4	28.0	32.7	37.4	42.1
275	17.0	20.8	23.6	28.3	33.0	37.7	42.5
280	17.1	20.9	23.8	28.6	33.3	38.1	42.8
285	17.3	21.1	24.0	28.8	33.6	38.4	43.2
290	17.4	21.3	24.2	29.1	33.9	38.8	43.6
295	17.6	21.5	24.4	29.3	34.2	39.1	44.0
300	17.7	21.7	24.6	29.6	34.5	39.4	44.3

A_{adj} [ft.²]	Max. refrigerant charge with no safety measures required (lbs.)						
	Effective installation height (h)						
	5.9 ft.	7.2 ft.	8.2 ft.	9.8 ft.	11.5 ft.	13.1 ft.	14.8 ft.
2422	33.9	41.4	47.0	56.4	65.9	75.3	84.7
2476	34.2	41.9	47.6	57.1	66.6	76.1	85.6
2530	34.6	42.3	48.1	57.7	67.3	76.9	86.5
2583	35.0	42.8	48.6	58.3	68.0	77.7	87.4
2637	35.3	43.2	49.1	58.9	68.7	78.5	88.4
2691	35.7	43.6	49.6	59.5	69.4	79.3	89.3
2745	36.1	44.1	50.1	60.1	70.1	80.1	90.1
2799	36.4	44.5	50.6	60.7	70.8	80.9	91.0
2852	36.8	44.9	51.0	61.3	71.5	81.7	91.9
2906	37.1	45.3	51.5	61.8	72.1	82.4	92.8
2960	37.4	45.8	52.0	62.4	72.8	83.2	93.6
3014	37.8	46.2	52.5	63.0	73.5	84.0	94.5
3068	38.1	46.6	52.9	63.5	74.1	84.7	95.3
3122	38.5	47.0	53.4	64.1	74.8	85.4	96.1
3175	38.8	47.4	53.9	64.6	75.4	86.2	97.0
3229	39.1	47.8	54.3	65.2	76.0	86.9	97.8

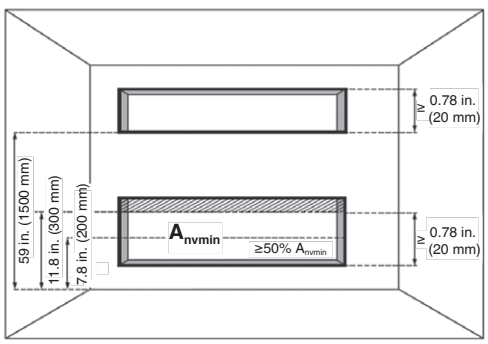
16.2 To Determine the Charge Limit for R32 Refrigerant

Please refer to ASHRAE 15 and relevant local standards and building codes as applicable to determine the charge limits when installing this equipment.
Step 1 – In order to derive the total refrigerant charge limit in the system, determine the area:

- of the rooms where an indoor unit is installed.
- AND of the rooms served by a ducted indoor unit installed in a different room.

The room area (A) shall be defined as the room area enclosed by the projection to the floor of the walls, partitions and doors of the space in which the appliance is installed. The area of the smallest room (A_{min}) being served by the system is used in the next step to determine the maximum allowable total charge of the system.
Spaces connected by only drop ceilings, ductwork, or similar connections shall not be considered a single space.
For units mounted higher than 5.9 ft. (1.8 m), spaces divided by partition walls which are no higher than 5.9 ft. (1.8 m) shall be considered a single space.
If the partition between two rooms on the same floor meets certain requirements, then the rooms are considered as one room and the areas of the rooms may be added up. In this way it is possible to increase the A_{min} value used to calculate the maximum allowed charge.
One of the following two requirements must be met to add up room areas:

1. Rooms on the same floor and connected by an open passageway between the spaces can be considered a single room if the passageway complies with all of the following.
   - It is a permanent opening.
   - It extends to the floor.
   - It is intended for people to walk through.
2. The area of the adjacent rooms, on the same floor, connected by permanent opening in the walls and/or doors between occupied spaces, including gaps between the wall and the floor, can be considered a single room provided all of the following are met.



A_{nvmin} Minimal natural ventilation area

For the lower opening:
- the openings are permanent openings which cannot be closed.
- the opening must be ≥ 0.129 ft.^{2} (0.012 m^2) (A_{nvmin})
- The area of any openings above 11.8 in. (300 mm) from the floor does not count when determining A_{nvmin}
- At least 50% of A_{nvmin} is less than 7.8 in. (200 mm) above the floor
- The height of the opening is ≥ 0.78 in. (20 mm)

For the upper opening:
- the opening cannot be closed
- the opening must be ≥ 50% of A_{nvmin}
- the bottom of the upper opening must be ≥59 in. (1500 mm) above the floor
- the height of the opening is ≥ 0.78 in. (20 mm)

Note: The requirement for the upper opening can be met by drop ceilings, ventilation ducts or similar arrangements that provide an airflow path between the connected rooms.

The indoor equipment mitigation requirements are calculated at sea level. For higher altitudes, adjust the smallest room area (A_{min}) determined above by the corresponding altitude adjustment factor shown below. This table is for reference only.

The adjusted room area (A_{adj}) is the product of the smallest room area (A_{min}) determined above and the adjustment factor AF, as shown in the following equation.

$A_{adj} = A_{min} \times AF$

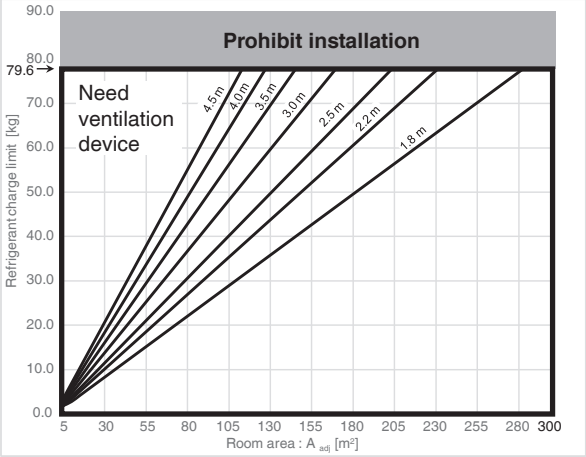
Height (m)	Height (ft.)	Altitude Adjustment Factor (AF)
At sea level	At sea level	1
1~200	1~660	1.02
200~400	660~1320	1.03
400~600	1320~1970	1.05
600~800	1970~2630	1.07
800~1000	2630~3290	1.09
1000~1200	3290~3940	1.11
1200~1400	3940~4600	1.13
1400~1600	4600~5250	1.15
1600~1800	5250~5910	1.17
1800~2000	5910~6570	1.19
2000~2200	6570~7220	1.21
2200~2400	7220~7880	1.24
2400~2600	7880~8540	1.26
2600~2800	8540~9190	1.29
2800~3000	9190~9850	1.31
3000~3200	9850~10500	1.34

Step 2 – Use the graph or table below to determine the total refrigerant charge limit in the system for each indoor unit and for each room served by a ducted indoor unit.
The total refrigerant charge limit depends on the effective installation height, measured between:

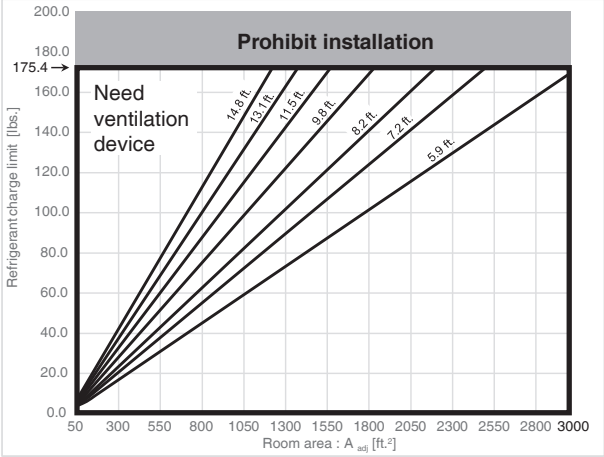
- the bottom side of the indoor unit and the lowest point of the floor, in case the indoor unit is installed in the same room.
- the bottom of the duct opening and the lowest point of the floor, for rooms served by a ducted indoor unit installed in a different room.

Note: If the height for your installation is not shown, use the closest lower height value in the table. E.g. for an installation height of 2.7 m, use the value corresponding with height 2.5 m of the table.
Refer to the databook for a more detailed table.
Note: If the room area for your installation is not shown, use linear interpolation to calculate it using the closest smallest and largest area values in the table.

◆Total refrigerant charge limit (SI unit)



◆Total refrigerant charge limit (FPS unit)



A_{adj} [m²]	Total refrigerant charge limit (kg)						
	Effective installation height (h)						
	1.8 m	2.2 m	2.5 m	3.0 m	3.5 m	4.0 m	4.5 m
5	1.8	1.8	1.9	2.3	2.7	3.1	3.4
10	2.8	3.4	3.8	4.6	5.4	6.1	6.9
15	4.1	5.0	5.7	6.9	8.0	9.2	10.3
20	5.5	6.7	7.7	9.2	10.7	12.2	13.8
25	6.9	8.4	9.6	11.5	13.4	15.3	17.2
30	8.3	10.1	11.5	13.8	16.1	18.4	20.7
35	9.6	11.8	13.4	16.1	18.7	21.4	24.1
40	11.0	13.5	15.3	18.4	21.4	24.5	27.5
45	12.4	15.1	17.2	20.7	24.1	27.5	31.0
50	13.8	16.8	19.1	23.0	26.8	30.6	34.4
55	15.1	18.5	21.0	25.2	29.5	33.7	37.9
60	16.5	20.2	23.0	27.5	32.1	36.7	41.3
65	17.9	21.9	24.9	29.8	34.8	39.8	44.8
70	19.3	23.6	26.8	32.1	37.5	42.8	48.2
75	20.7	25.2	28.7	34.4	40.2	45.9	51.6
80	22.0	26.9	30.6	36.7	42.8	49.0	55.1
85	23.4	28.6	32.5	39.0	45.5	52.0	58.5
90	24.8	30.3	34.4	41.3	48.2	55.1	62.0
95	26.2	32.0	36.3	43.6	50.9	58.1	65.4
100	27.5	33.7	38.3	45.9	53.6	61.2	68.9
105	28.9	35.3	40.2	48.2	56.2	64.3	72.3
110	30.3	37.0	42.1	50.5	58.9	67.3	75.7
115	31.7	38.7	44.0	52.8	61.6	70.4	79.2
120	33.0	40.4	45.9	55.1	64.3	73.4	79.6
125	34.4	42.1	47.8	57.4	66.9	76.5	79.6
130	35.8	43.8	49.7	59.7	69.6	79.6	79.6
135	37.2	45.4	51.6	62.0	72.3	79.6	79.6
140	38.6	47.1	53.6	64.3	75.0	79.6	79.6
145	39.9	48.8	55.5	66.6	77.6	79.6	79.6
150	41.3	50.5	57.4	68.9	79.6	79.6	79.6
155	42.7	52.2	59.3	71.1	79.6	79.6	79.6
160	44.1	53.9	61.2	73.4	79.6	79.6	79.6
165	45.4	55.5	63.1	75.7	79.6	79.6	79.6
170	46.8	57.2	65.0	78.0	79.6	79.6	79.6
175	48.2	58.9	66.9	79.6	79.6	79.6	79.6
180	49.6	60.6	68.9	79.6	79.6	79.6	79.6
185	50.9	62.3	70.8	79.6	79.6	79.6	79.6
190	52.3	64.0	72.7	79.6	79.6	79.6	79.6
195	53.7	65.6	74.6	79.6	79.6	79.6	79.6
200	55.1	67.3	76.5	79.6	79.6	79.6	79.6
205	56.5	69.0	78.4	79.6	79.6	79.6	79.6
210	57.8	70.7	79.6	79.6	79.6	79.6	79.6
215	59.2	72.4	79.6	79.6	79.6	79.6	79.6
220	60.6	74.1	79.6	79.6	79.6	79.6	79.6
225	62.0	75.7	79.6	79.6	79.6	79.6	79.6
230	63.3	77.4	79.6	79.6	79.6	79.6	79.6

A_{adj} [ft.²]	Total refrigerant charge limit (lbs.)						
	Effective installation height (h)						
	5.9 ft.	7.2 ft.	8.2 ft.	9.8 ft.	11.5 ft.	13.1 ft.	14.8 ft.
54	4.0	4.0	4.2	5.1	5.9	6.7	7.6
108	6.1	7.4	8.4	10.1	11.8	13.5	15.2
161	9.1	11.1	12.6	15.2	17.7	20.2	22.8
215	12.1	14.8	16.9	20.2	23.6	27.0	30.4
269	15.2	18.6	21.1	25.3	29.5	33.7	37.9
323	18.2	22.3	25.3	30.4	35.4	40.5	45.5
377	21.3	26.0	29.5	35.4	41.3	47.2	53.1
431	24.3	29.7	33.7	40.5	47.2	54.0	60.7
484	27.3	33.4	37.9	45.5	53.1	60.7	68.3
538	30.4	37.1	42.2	50.6	59.0	67.5	75.9
592	33.4	40.8	46.4	55.7	64.9	74.2	83.5
646	36.4	44.5	50.6	60.7	70.8	81.0	91.1
700	39.5	48.2	54.8	65.8	76.7	87.7	98.7
753	42.5	51.9	59.0	70.8	82.6	94.4	106.3
807	45.5	55.7	63.2	75.9	88.5	101.2	113.8
861	48.6	59.4	67.5	81.0	94.4	107.9	121.4
915	51.6	63.1	71.7	86.0	100.3	114.7	129.0
969	54.6	66.8	75.9	91.1	106.3	121.4	136.6
1023	57.7	70.5	80.1	96.1	112.2	128.2	144.2
1076	60.7	74.2	84.3	101.2	118.1	134.9	151.8
1130	63.8	77.9	88.5	106.3	124.0	141.7	159.4
1184	66.8	81.6	92.8	111.3	129.9	148.4	167.0
1238	69.8	85.3	97.0	116.4	135.8	155.2	174.6
1292	72.9	89.0	101.2	121.4	141.7	161.9	175.4
1345	75.9	92.8	105.4	126.5	147.6	168.7	175.4
1399	78.9	96.5	109.6	131.5	153.5	175.4	175.4
1453	82.0	100.2	113.8	136.6	159.4	175.4	175.4
1507	85.0	103.9	118.1	141.7	165.3	175.4	175.4
1561	88.0	107.6	122.3	146.7	171.2	175.4	175.4
1615	91.1	111.3	126.5	151.8	175.4	175.4	175.4
1668	94.1	115.0	130.7	156.8	175.4	175.4	175.4
1722	97.1	118.7	134.9	161.9	175.4	175.4	175.4
1776	100.2	122.4	139.1	167.0	175.4	175.4	175.4
1830	103.2	126.2	143.4	172.0	175.4	175.4	175.4
1884	106.3	129.9	147.6	175.4	175.4	175.4	175.4
1938	109.3	133.6	151.8	175.4	175.4	175.4	175.4
1991	112.3	137.3	156.0	175.4	175.4	175.4	175.4
2045	115.4	141.0	160.2	175.4	175.4	175.4	175.4
2099	118.4	144.7	164.4	175.4	175.4	175.4	175.4
2153	121.4	148.4	168.7	175.4	175.4	175.4	175.4
2207	124.5	152.1	172.9	175.4	175.4	175.4	175.4
2260	127.5	155.8	175.4	175.4	175.4	175.4	175.4
2314	130.5	159.5	175.4	175.4	175.4	175.4	175.4
2368	133.6	163.3	175.4	175.4	175.4	175.4	175.4
2422	136.6	167.0	175.4	175.4	175.4	175.4	175.4
2476	139.6	170.7	175.4	175.4	175.4	175.4	175.4

A_{adj} [m²]	Total refrigerant charge limit (kg)						
	Effective installation height (h)						
	1.8 m	2.2 m	2.5 m	3.0 m	3.5 m	4.0 m	4.5 m
235	64.7	79.1	79.6	79.6	79.6	79.6	79.6
240	66.1	79.6	79.6	79.6	79.6	79.6	79.6
245	67.5	79.6	79.6	79.6	79.6	79.6	79.6
250	68.9	79.6	79.6	79.6	79.6	79.6	79.6
255	70.2	79.6	79.6	79.6	79.6	79.6	79.6
260	71.6	79.6	79.6	79.6	79.6	79.6	79.6
265	73.0	79.6	79.6	79.6	79.6	79.6	79.6
270	74.4	79.6	79.6	79.6	79.6	79.6	79.6
275	75.7	79.6	79.6	79.6	79.6	79.6	79.6
280	77.1	79.6	79.6	79.6	79.6	79.6	79.6
285	78.5	79.6	79.6	79.6	79.6	79.6	79.6
290	79.6	79.6	79.6	79.6	79.6	79.6	79.6
295	79.6	79.6	79.6	79.6	79.6	79.6	79.6
300	79.6	79.6	79.6	79.6	79.6	79.6	79.6

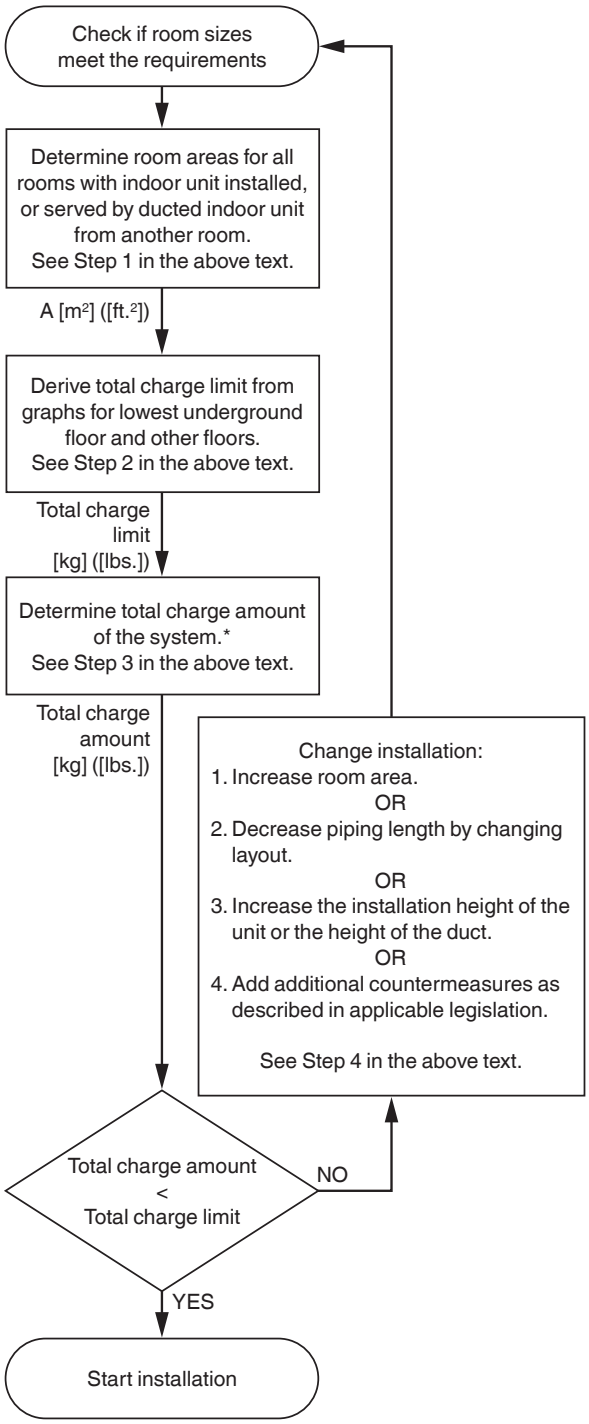
A_{adj} [ft.²]	Total refrigerant charge limit (lbs.)						
	Effective installation height (h)						
	5.9 ft.	7.2 ft.	8.2 ft.	9.8 ft.	11.5 ft.	13.1 ft.	14.8 ft.
2530	142.7	174.4	175.4	175.4	175.4	175.4	175.4
2583	145.7	175.4	175.4	175.4	175.4	175.4	175.4
2637	148.8	175.4	175.4	175.4	175.4	175.4	175.4
2691	151.8	175.4	175.4	175.4	175.4	175.4	175.4
2745	154.8	175.4	175.4	175.4	175.4	175.4	175.4
2799	157.9	175.4	175.4	175.4	175.4	175.4	175.4
2852	160.9	175.4	175.4	175.4	175.4	175.4	175.4
2906	163.9	175.4	175.4	175.4	175.4	175.4	175.4
2960	167.0	175.4	175.4	175.4	175.4	175.4	175.4
3014	170.0	175.4	175.4	175.4	175.4	175.4	175.4
3068	173.0	175.4	175.4	175.4	175.4	175.4	175.4
3122	175.4	175.4	175.4	175.4	175.4	175.4	175.4
3175	175.4	175.4	175.4	175.4	175.4	175.4	175.4
3229	175.4	175.4	175.4	175.4	175.4	175.4	175.4

Step 3 – Determine the total charge amount of the system*:
Total charge = Factory charge + additional charge
For the factory charge, refer to the nameplate on the outdoor unit or heat source unit. For the additional charge, refer to the installation manual and calculate accordingly.
*In systems containing Branch Selector units or Safety Shut-Off Valve units, the total charge amount can be read as the releasable charge. The releasable charge to the space may be reduced. However, it is not valid if installed in the same room as the indoor unit.
Please see WebXpress (https://webxpress.daikincity.com) and relevant codes and standards for more information.

Step 4 – The total refrigerant charge in the system MUST be less than the lowest value of the refrigerant charge limit for each room where an indoor unit is installed or that is served by a ducted indoor unit installed in a different room. If NOT, change the installation (see choices below) and repeat all of the above steps.
1. Increase the area of the room restricting the total charge.
OR
2. Decrease the piping length by changing the system layout.
OR
3. Increase the installation height of the unit or the duct.
OR
4. Add additional countermeasures as described in applicable legislation.
The optional relay PC board for providing an output signal from the indoor unit can be used to connect and activate the additional countermeasures (e.g. mechanical ventilation).
Total charge can be increased to 79.6 kg (175.4 lbs.) by connecting a ventilation system.

Note: The total refrigerant charge amount in the system MUST always be lower than 79.6 kg (175.4 lbs.).

Flow chart



17. Safety Devices Setting

17.1 FXFA-AA

Model name	FXFA07AAVJU	FXFA09AAVJU	FXFA12AAVJU	FXFA15AAVJU	FXFA18AAVJU
Printed circuit board fuse (A2P)	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 (A2P)	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A

Model name	FXFA24AAVJU	FXFA30AAVJU	FXFA36AAVJU	FXFA48AAVJU	FXFA54AAVJU
Printed circuit board fuse (A2P)	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 (A2P)	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A

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17.2 FXZA-AA

Model name	FXZA05AAVJU	FXZA07AAVJU	FXZA09AAVJU	FXZA12AAVJU	FXZA15AAVJU	FXZA18AAVJU
Printed circuit board fuse (A2P)	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 (A2P)	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A

C: 4D153827

17.3 FXSA-AA

Model name	FXSA05AAVJU	FXSA07AAVJU	FXSA09AAVJU	FXSA12AAVJU	FXSA15AAVJU	FXSA18AAVJU
Printed circuit board fuse (A2P)	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, 10 A
Printed circuit board fuse (A2P)	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 6.3 A
Printed circuit board fuse (A3P)	—	—	—	—	—	250 V, 12 A

Model name	FXSA24AAVJU	FXSA30AAVJU	FXSA36AAVJU	FXSA48AAVJU	FXSA54AAVJU
Printed circuit board fuse (A2P)	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A
Printed circuit board fuse (A2P)	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A
Printed circuit board fuse (A3P)	250 V, 12 A	250 V, 12 A	250 V, 12 A	250 V, 12 A	250 V, 12 A

C: 3D151595

17.4 FXMA15-54AA

Model name	FXMA15AAVJU	FXMA18AAVJU	FXMA24AAVJU	FXMA30AAVJU	FXMA36AAVJU	FXMA48AAVJU	FXMA54AAVJU
Printed circuit board fuse (A2P)	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A
Printed circuit board fuse (A2P)	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A	450 V, 6.3 A
Printed circuit board fuse (A3P)	250 V, 12 A	250 V, 12 A	250 V, 12 A	250 V, 12 A	250 V, 12 A	250 V, 12 A	250 V, 12 A

C: 3D151596

17.5 FXMA72-96AA

Model name	FXMA72AAVJU	FXMA96AAVJU
Printed circuit board fuse (A2P)	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (fan driver)	250 V, 20 A	250 V, 20 A

C: 3D161156

17.6 FXAA-AA

Model name	FXAA05AAVJU	FXAA07AAVJU	FXAA09AAVJU	FXAA12AAVJU	FXAA18AAVJU	FXAA24AAVJU
Printed circuit board fuse (A2P)	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 (A2P)	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A	450 V, 3.15 A

C: 4D158244

17.7 FXTA-AB

Model name (without factory disconnect)	FXTA09ABVJUA	FXTA12ABVJUA	FXTA18ABVJUA	FXTA24ABVJUA	FXTA30ABVJUA
Model name (with factory disconnect)	FXTA09ABVJUD	FXTA12ABVJUD	FXTA18ABVJUD	FXTA24ABVJUD	FXTA30ABVJUD
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, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A
Others	Blower motor, Fan driver overload protector				

Model name (without factory disconnect)	FXTA36ABVJUA	FXTA42ABVJUA	FXTA48ABVJUA	FXTA54ABVJUA	FXTA60ABVJUA
Model name (with factory disconnect)	FXTA36ABVJUD	FXTA42ABVJUD	FXTA48ABVJUD	FXTA54ABVJUD	FXTA60ABVJUD
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, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A	250 V, 10 A
Others	Blower motor, Fan driver overload protector				

17.8 SVA-AA

Model name	SVA60AAVJ	SVA96AAVJ
Printed circuit board fuse	250 V, 3.15 A	250 V, 3.15 A

C: 4D158854

4. Appendix

1. Introduction

1.1 ED Book List

Outdoor Units

Design Manual (Heat Pump)	RXYA-AA	**EDUS342522A-D (This booklet)**
Capacity Table Book (Heat Pump)	RXYA-AA	**EDUS342522A-C**
Installation (Heat Recovery, Heat Pump)		**EDUS372610-N**

Indoor Units

Ceiling Mounted Cassette (Round Flow with Sensing)	FXFA-AA	**EDUS392414-F14**
VISTA™ 2 × 2 Cassette Unit	FXZA-AA	**EDUS392518-F9**
MSP Concealed Ducted Unit	FXSA-AA	**EDUS392412-F17**
HSP Concealed Ducted Unit	FXMA15-54AA	**EDUS392413-F4**
HSP Concealed Ducted Unit	FXMA72-96AA	**ED3VRV2S-NA25V1**
Wall Mounted Type	FXAA-AA	**EDUS392517-F6**
Air Handling Unit	FXTA-AB	**EM-FXTA-A_VJUA_06-2026**
AHU Integration Kit	EKEA-AA	**EDUS392604-F19**

Safety Shut-Off Valve Unit	SVA-AA	**EDUS392519-B**

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
R-32	Air cooled	***VRV*** EMERION	H/R	208/230 V 460 V	REYA-AATJA REYA-AAYDA	USA Canada	Design manual	EDUS372521A-D	Jun.2026
							Capacity table	EDUS372521A-C	Dec.2025
			H/P	208/230 V 460 V	RXYA-AATJA RXYA-AAYDA	USA Canada	Design manual	EDUS342522A-D	Jun.2026
							Capacity table	EDUS342522A-C	Dec.2025
		VRV Aurora	H/R	208/230 V 460 V	RELA-AATJA RELA-AAYDA	USA Canada	Design Manual	EDUS372605-D	May 2026
							Capacity Table	EDUS372605A-C	Jun.2026
			H/P	208/230 V 460 V	RXLA-AATJA RXLA-AAYDA	USA Canada	Design Manual	EDUS342606-D	May 2026
							Capacity Table	EDUS342606A-C	Jun.2026
		VRV S	H/P	208/230 V	RXTA-AAVJU	USA Canada	Design Manual	EDUS332501B-D	Nov.2025
							Capacity Table	EDUS332501A-C	Nov.2025
		VRV S Aurora	H/P	208/230 V	RXLA-AAVJU	USA Canada	Design Manual	EDUS332503A-D	Jul.2025
							Capacity Table	EDUS332503-C	Jan.2025
	Installation for ***VRV***					USA Canada	Installation	EDUS372610-N	Coming soon

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

Indoor Unit and Other Products

Refrigerant	Product category	Product type	Model name	Area	Book No.	Published in
R-32	***VRV*** Indoor units	Ceiling Mounted Cassette (Round Flow with Sensing)	FXFA07-54AAVJU	USA Canada	EDUS392414-F14	Feb.2025
		VISTA™ 2 × 2 Cassette Unit	FXZA05-18AAVJU	USA Canada	EDUS392518-F9	Nov.2025
		MSP Concealed Ducted Unit	FXSA05-54AAVJU	USA Canada	EDUS392412-F17	Feb.2025
		HSP Concealed Ducted Unit	FXMA15-54AAVJU	USA Canada	EDUS392413-F4	Feb.2025
		HSP Concealed Ducted Unit	FXMA72-96AAVJU	USA Canada	ED3VRV2S-NA25V1	Dec.2025
		Wall Mounted Type	FXAA05-24AAVJU	USA Canada	EDUS392517-F6	Aug.2025
		Air Handling Unit	FXTA09-60ABVJUA FXTA09-60ABVJUD	USA Canada	EM-FXTA-A_ VJUA_06-2026	Jun.2026
		AHU Integration Kit	EKEAXAAA3U EKEADAAA3U	USA Canada	EDUS392604-F19	Apr.2026
		Branch Selector Unit	BSA36-96AAVJ BSF4-8A54AAVJ	USA Canada	EDUS392520-B	Dec.2025
		Safety Shut-Off Valve Unit	SVA60-96AAVJ	USA Canada	EDUS392519-B	Dec.2025

Warning

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

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

Cautions on product corrosion

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

●Specifications, designs and other content appearing in this brochure are current as of June 2026 but subject to change without notice.

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