

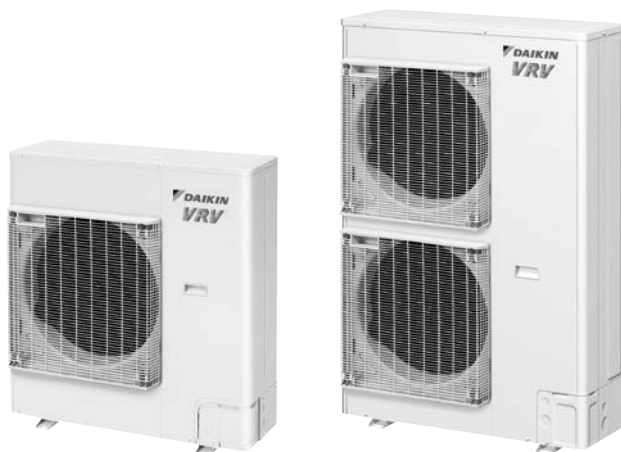
Engineering Data

Design Manual

RXTQ-TBVJUB

Heat Pump, 1 phase, 208 / 230 V, 60 Hz

R-410A



VRV IV-S

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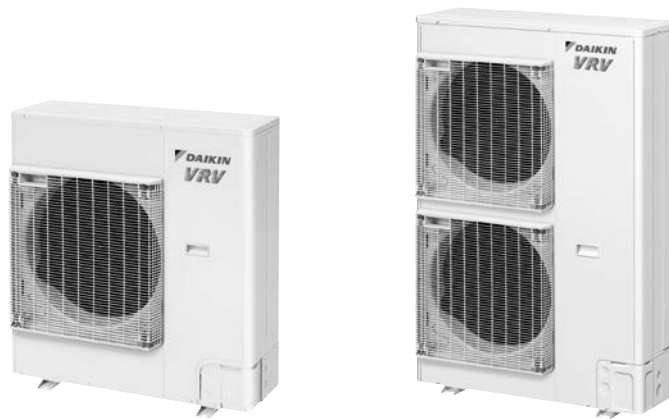
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1. Features and Benefits

The **VRV IV-S**-series completes the **VRV IV** family by introducing the enhanced features and benefits offered in Daikin's 3-phase **VRV** products in to the single phase offering.

- Available in 3, 4 and 5 ton models
- Year round comfort and energy savings delivered by combining **VRV** and Variable Refrigerant Temperature (VRT) technologies
- Broader diversity with ability to provide cooling and heating in up to 9 zones
- Compatible with all Daikin ducted and ductless indoor fan coils
- Compact space saving design with depth under 13" (330 mm)*
- Easy installation with weight under 230 lbs
- Low sound levels for comfort in sound sensitive applications
- Engineered with Daikin's swing compressor technology to increase efficiency and reliability
- Dependable operation in extreme ambient conditions down to -4°F (-20°C) in heating and up to 122°F (50°C) in cooling
- Added safety and peace of mind with optional auto changeover to auxiliary heat
- Backed by best in class 10 year parts limited warranty and 10 years replacement compressor limited warranty **

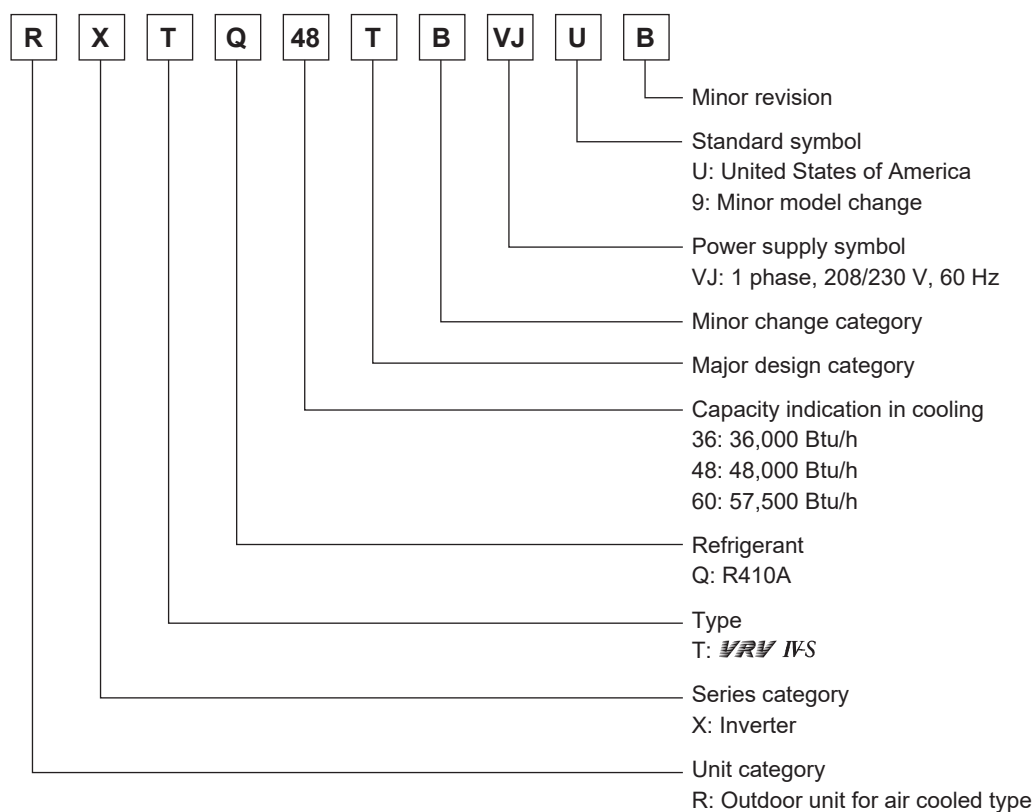


*- max number of indoor units varies by model, refer model specification for details

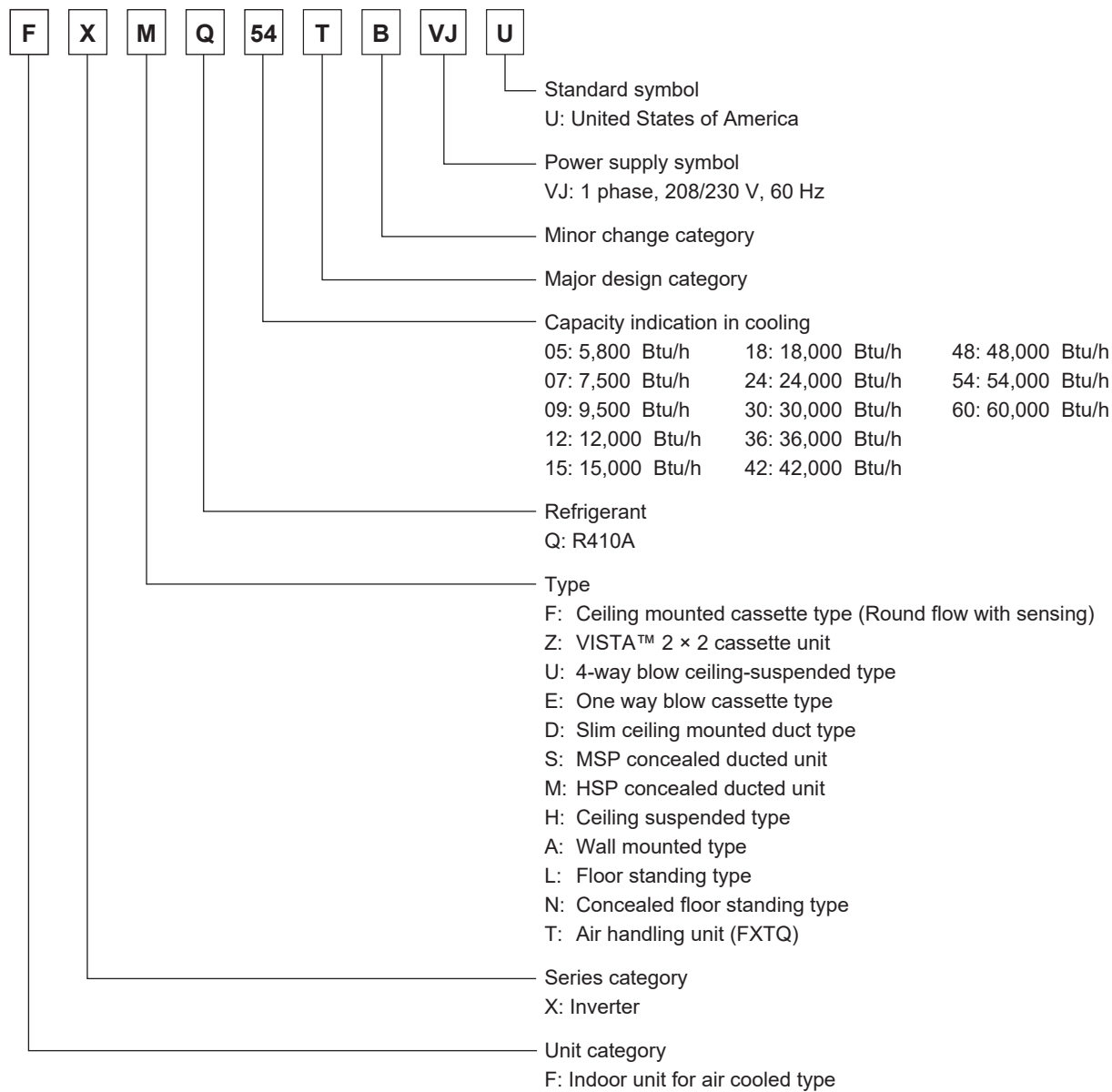
** - Complete warranty details available from local distributor or manufacturer's rep

2. Nomenclature

Outdoor Unit

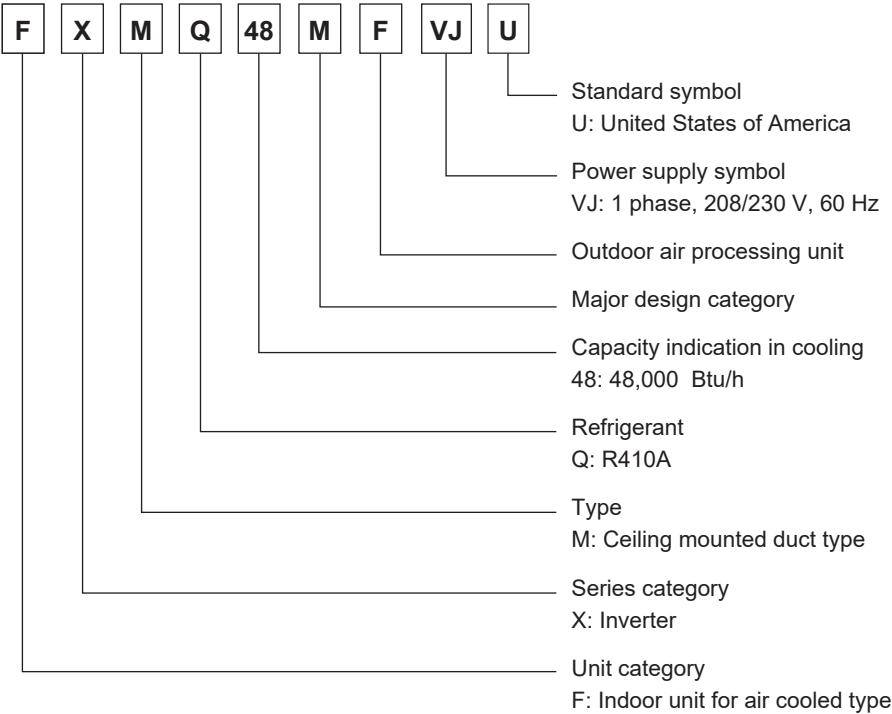


Indoor Unit

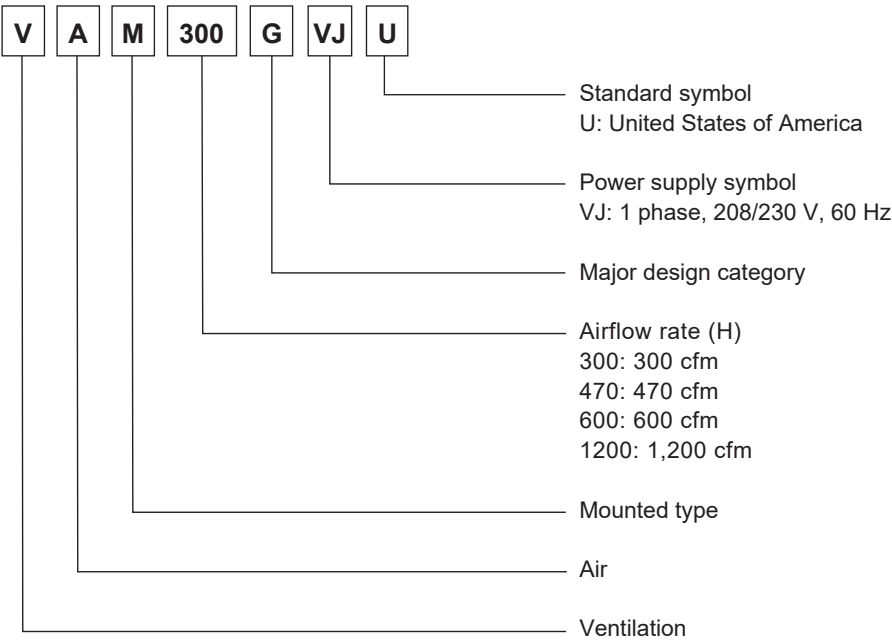


Air Treatment Equipment

Outdoor Air Processing Unit



Energy Recovery Ventilator (VAM series)



3. Model Names

3.1 Outdoor Units

Capacity range			3 ton	4 ton	5 ton	Power supply, Standard
Capacity index			36	48	57.5	
Heat pump	208/230 V	RXTQ	36TB	48TB	60TB	VJUB

Note:

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

U(VJU): Standard symbol

A: Minor revision

3.2 Indoor Units

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

3.3 Air Treatment Equipment

Outdoor Air Processing Unit

Series	Model name	Power supply, Standard
FXMQ	48MF	VJU

Energy Recovery Ventilator (VAM series)

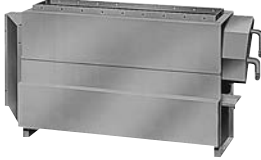
Series	Model name				Power supply, Standard
VAM	300G	470G	600G	1200G	VJU

4. External Appearance

4.1 Outdoor Units

RXTQ36TBVJUB RXTQ48TBVJUB	RXTQ60TBVJUB
 3, 4 ton	 5 ton

4.2 Indoor Units

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

4.3 Air Treatment Equipment

Outdoor air processing unit FXMQ-MF 	Energy recovery ventilator (VAM series) VAM-G 
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5. Capacity Range

5.1 Connection Ratio

Connection ratio =	$\frac{\text{Total capacity index of the indoor units}}{\text{Capacity index of the outdoor units}}$
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Type	Min. connection ratio	Max. connection ratio
		Types of connected indoor units
		VRV indoor units
Single outdoor units	50%	130%

5.2 Outdoor Unit Combination

Model name	RXTQ36TBVJUB	RXTQ48TBVJUB	RXTQ60TBVJUB
Capacity range	3 ton	4 ton	5 ton
Capacity index	36	48	57.5
Max. number of connectable indoor units	6	8	9
Total capacity index of indoor units to be connected	18.0 ~ 46.8	24.0 ~ 62.4	28.8 ~ 74.8

6. Specifications

Model			RXTQ36TBVJUB
Power supply			1 phase, 208/230 V, 60 Hz
★1 Cooling capacity	Nominal	Btu/h (kW)	36,000 (10.6)
	Rated		Non-ducted: 34,200 (10.0)
			Ducted: 34,200 (10.0)
★2 Heating capacity	Nominal	Btu/h (kW)	40,000 (11.7)
	Rated		Non-ducted: 37,000 (10.8)
			Ducted: 37,000 (10.8)
Casing color			Ivory white
Dimensions: (H × W × D)		in. (mm)	39 × 37 × 12-5/8 (990 × 940 × 320)
Heat exchanger			Cross fin coil
Compressor	Type		Hermetically sealed swing type
	Motor output	kW	1.9
	Starting method		Soft start
Fan	Type		Propeller fan
	Motor output	kW	0.200
	Airflow rate	CFM (m³/min)	2,682 (76)
	Drive		Direct drive
Sound pressure level (reference data)	Cooling	dBA	58
	Heating	dBA	61
Sound power level (reference data)	Cooling	dB	75
	Heating	dB	79
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (ϕ9.5) C1220T (flare connection)
	Gas pipe	in. (mm)	ϕ5/8 (ϕ15.9) C1220T (flare connection)
Weight		lbs (kg)	172 (78)
Safety devices			High pressure switch, Fan driver overload protector, Inverter overload protector, Fusible plug, Fuse
Defrost method			Reverse cycle defrosting
Capacity control		%	14-100
Refrigerant	Refrigerant name		R410A
	Charge	lbs (kg)	6.4 (2.9)
	Control		Electronic expansion valve
Standard accessories			Installation manual, Operation manual, Clamps

Note:

- ★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft (7.6 m), height difference: 0 ft. (0 m).
- ★2. Indoor temp.: 70°FDB (21.1°CDB) / outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft (7.6 m), height difference: 0 ft. (0 m).

C: 4D148294

Model			RXTQ48TBVJUB	
Power supply			1 phase, 208/230 V, 60 Hz	
★1 Cooling capacity	Nominal	Btu/h (kW)	48,000 (14.1)	
	Rated		Non-ducted: 45,500 (13.3)	
			Ducted: 45,500 (13.3)	
★2 Heating capacity	Nominal	Btu/h (kW)	52,000 (15.2)	
	Rated		Non-ducted: 47,500 (13.9)	
			Ducted: 46,000 (13.5)	
Casing color			Ivory white	
Dimensions: (H × W × D)		in. (mm)	39 × 37 × 12-5/8 (990 × 940 × 320)	
Heat exchanger			Cross fin coil	
Compressor	Type		Hermetically sealed swing type	
	Motor output	kW	3.0	
	Starting method		Soft start	
Fan	Type		Propeller fan	
	Motor output	kW	0.200	
	Airflow rate	CFM (m³/min)	2,682 (76)	
	Drive		Direct drive	
Sound pressure level (reference data)	Cooling	dBA	58	
	Heating	dBA	61	
Sound power level (reference data)	Cooling	dB	76	
	Heating	dB	78	
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (ϕ9.5) C1220T (flare connection)	
	Gas pipe	in. (mm)	ϕ5/8 (ϕ15.9) C1220T (flare connection)	
Weight		lbs (kg)	176 (80)	
Safety devices			High pressure switch, Fan driver overload protector, Inverter overload protector, Fusible plug, Fuse	
Defrost method			Reverse cycle defrosting	
Capacity control		%	14-100	
Refrigerant	Refrigerant name		R410A	
	Charge	lbs (kg)	7.5 (3.4)	
	Control		Electronic expansion valve	
Standard accessories			Installation manual, Operation manual, Clamps	

Note:

- ★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft (7.6 m), height difference: 0 ft. (0 m).
- ★2. Indoor temp.: 70°FDB (21.1°CDB) / outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft (7.6 m), height difference: 0 ft. (0 m).

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Model			RXTQ60TBVJUB	
Power supply			1 phase, 208/230 V, 60 Hz	
★1 Cooling capacity	Nominal	Btu/h (kW)	57,500 (16.9)	
	Rated		Non-ducted: 57,500 (16.9)	
			Ducted: 57,500 (16.9)	
★2 Heating capacity	Nominal	Btu/h (kW)	57,000 (16.7)	
	Rated		Non-ducted: 57,000 (16.7)	
			Ducted: 57,000 (16.7)	
Casing color			Ivory white	
Dimensions: (H × W × D)		in. (mm)	52-15/16 × 35-7/16 × 12-5/8 (1,345 × 900 × 320)	
Heat exchanger			Cross fin coil	
Compressor	Type		Hermetically sealed swing type	
	Motor output	kW	3.5	
	Starting method		Soft start	
Fan	Type		Propeller fan	
	Motor output	kW	0.070 × 2	
	Airflow rate	CFM (m³/min)	3,741 (106)	
	Drive		Direct drive	
Sound pressure level (reference data)	Cooling	dBA	57	
	Heating	dBA	59	
Sound power level (reference data)	Cooling	dB	74	
	Heating	dB	77	
Connecting pipes	Liquid pipe	in. (mm)	ϕ3/8 (ϕ9.5) C1220T (flare connection)	
	Gas pipe	in. (mm)	ϕ3/4 (ϕ19.1) C1220T (flare connection)	
Weight		lbs (kg)	225 (102)	
Safety devices			High pressure switch, Fan driver overload protector, Inverter overload protector, Fusible plug, Fuse	
Defrost method			Reverse cycle defrosting	
Capacity control		%	14-100	
Refrigerant	Refrigerant name		R410A	
	Charge	lbs (kg)	7.9 (3.6)	
	Control		Electronic expansion valve	
Standard accessories			Installation manual, Operation manual, Clamps, Auxiliary piping	

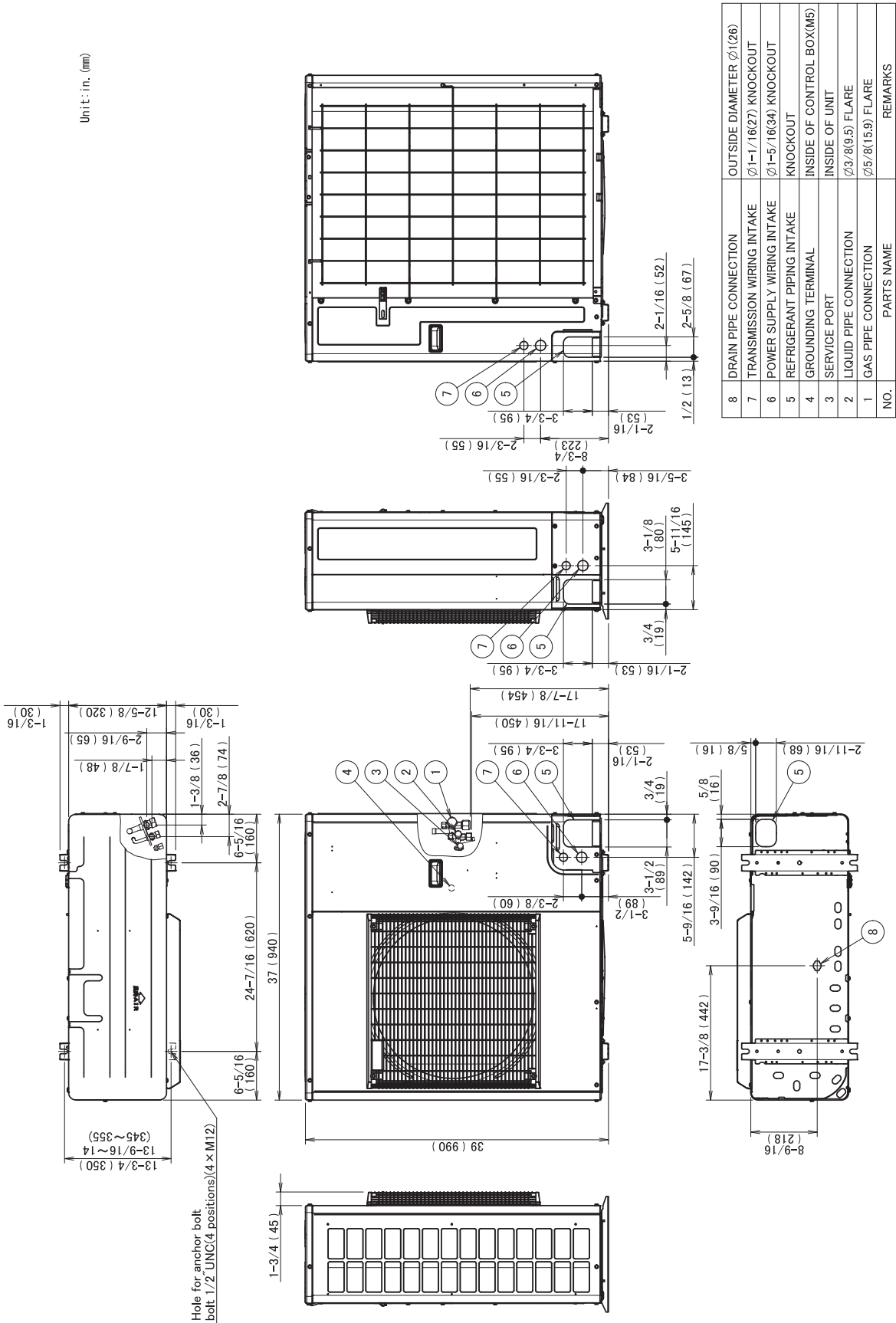
Note:

- ★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft (7.6 m), height difference: 0 ft. (0 m).
- ★2. Indoor temp.: 70°FDB (21.1°CDB) / outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft (7.6 m), height difference: 0 ft. (0 m).

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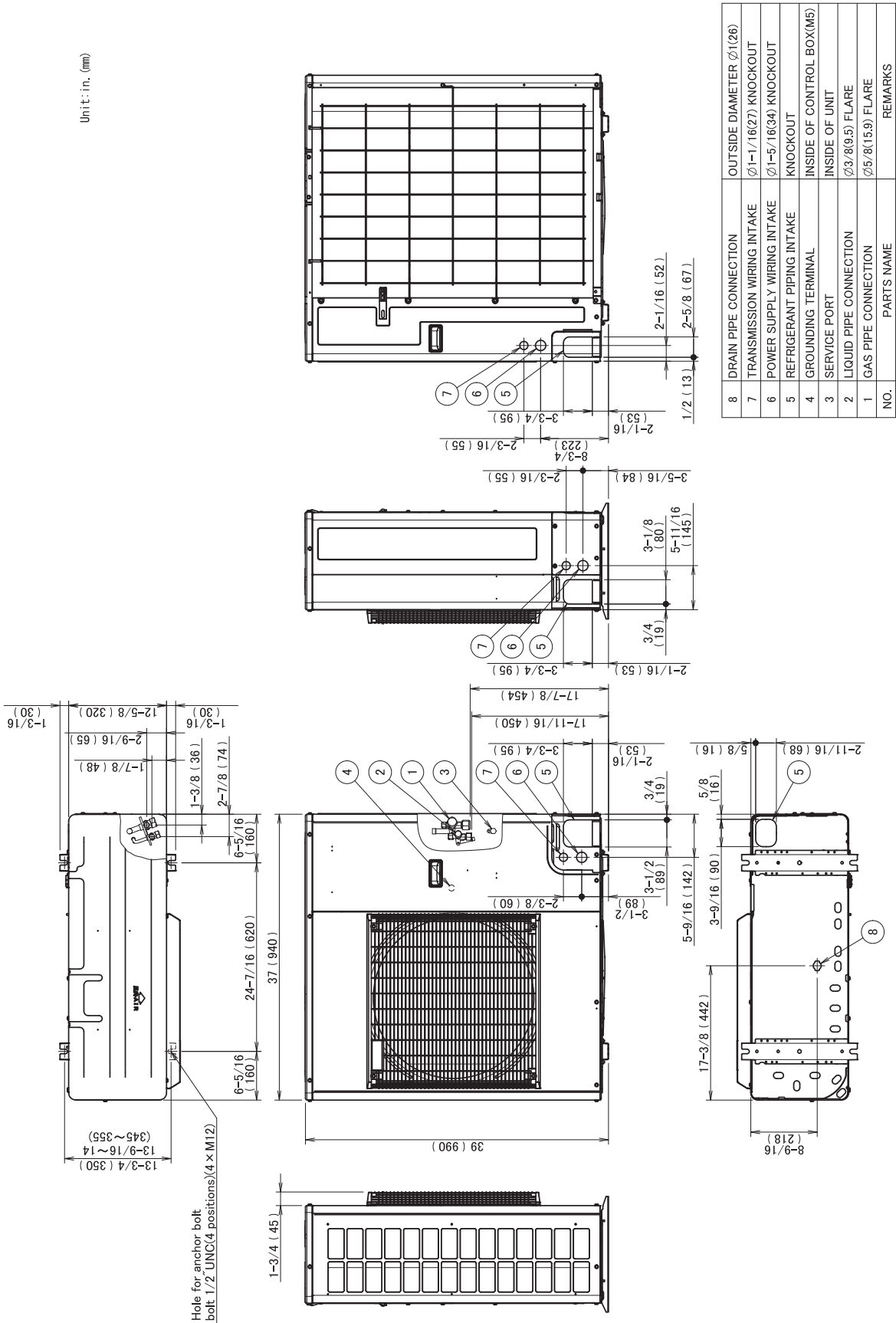
7. Dimensions

RXTQ36TBVJUB



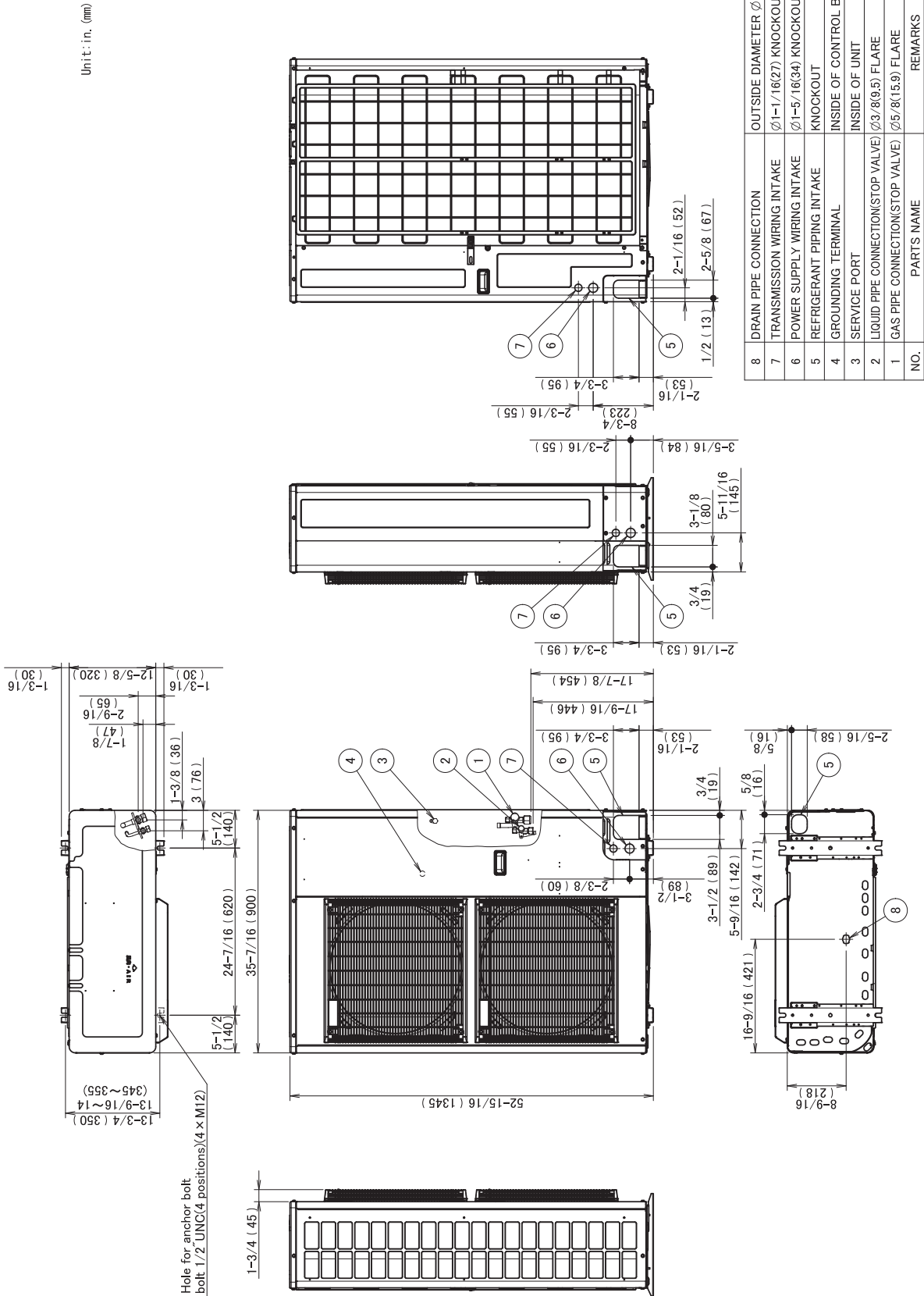
3D147642

RXTQ48TBVJUB



3D148085

RXTQ60TBVJUB



3D147643

8. Service Space

RXTQ36 - 48TBVJUB

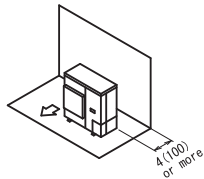
REQUIRED INSTALLATION SPACE

The unit of the values is in. (mm).

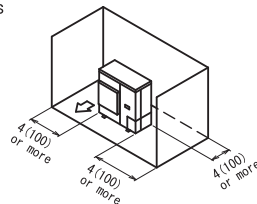
1. Where there is an obstacle on the suction side:

(a) No obstacle above

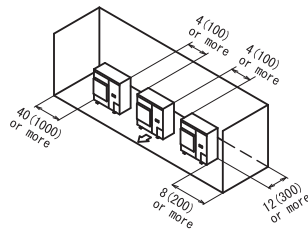
- (1) Stand-alone installation
• Obstacle on the suction side only



- Obstacle on both sides

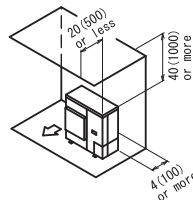


- (2) Series installation
(2 or more)
• Obstacle on both sides

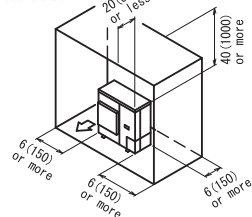


(b) Obstacle above, too

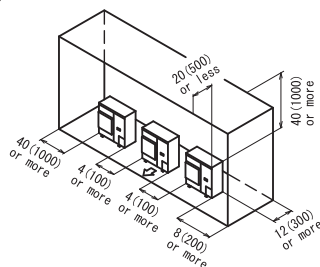
- (1) Stand-alone installation
• Obstacle on the suction side, too



- Obstacle on the suction side and both sides



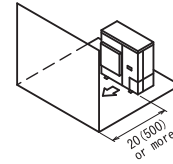
- (2) Series installation
(2 or more)
• Obstacle on the suction side and both sides



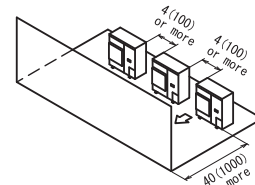
2. Where there is an obstacle on the discharge side:

(a) No obstacle above

- (1) Stand-alone installation

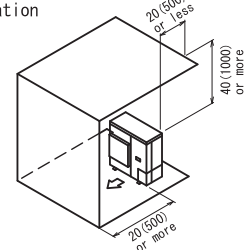


- (2) Series installation
(2 or more)

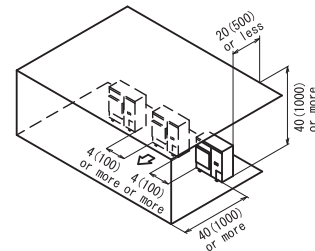


(b) Obstacle above, too

- (1) Stand-alone installation



- (2) Series installation
(2 or more)



3. Where there are obstacles on both suction and discharge sides:

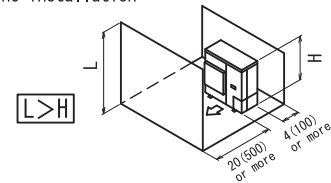
Pattern 1

Where the obstacles on the discharge side is higher than the unit:

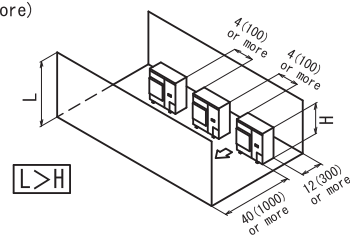
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above

- (1) Stand-alone installation



- (2) Series installation
(2 or more)



RXTQ36 - 48TBVJUB

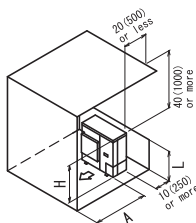
Unit: in. (mm)

(b) Obstacle above, too**(1) Stand-alone installation**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	30 (750)
	$1/2H < L \leq H$	40 (1000)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.

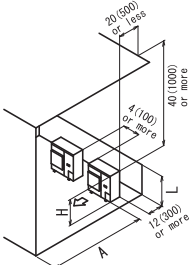
**(2) Series installation
(up to two units)**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	40 (1000)
	$1/2H < L \leq H$	50 (1250)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.

Only two units can be installed for this series.

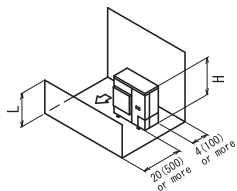
**Pattern 2**

Where the obstacles on the discharge side is lower than the unit:

(There is no height limit for obstructions on the intake side.)

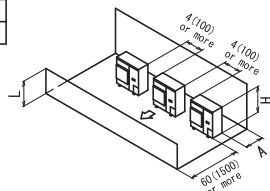
(a) No obstacle above**(1) Stand-alone installation**

$$L \leq H$$

**(2) Series installation
(2 or more)**

The relations between H, A and L are as follows:

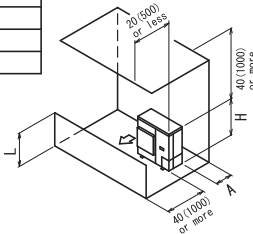
	L	A
$L \leq H$	$0 < L \leq 1/2H$	10 (250)
	$1/2H < L \leq H$	12 (300)

**(b) Obstacle above, too****(1) Stand-alone installation**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	4 (100)
	$1/2H < L \leq H$	8 (200)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.

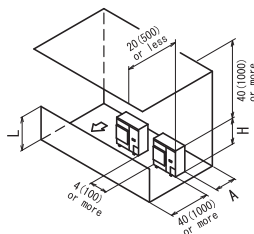
**(2) Series installation
(up to two units)**

The relations between H, A and L are as follows:

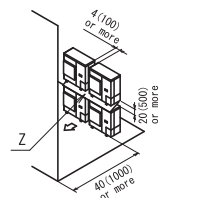
	L	A
$L \leq H$	$0 < L \leq 1/2H$	10 (250)
	$1/2H < L \leq H$	12 (300)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.

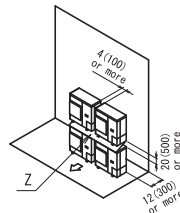
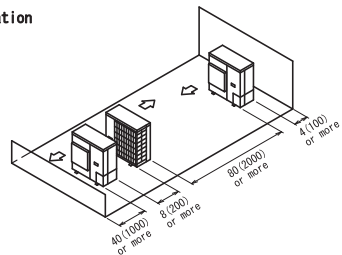
Only two units can be installed for this series.

**4. Double-decker installation****(a) Obstacle on the discharge side**

- No more than two units should be stacked.
- If there is a danger of water from the drain falling on the lower outdoor unit and freezing, install a roof (field supply).
- To prevent the formation and growth of ice in the bottom frame of the 2nd level outdoor unit, install the outdoor unit so that the bottom frame will be sufficiently higher than the roof. (It is recommended to leave 20in. (500mm) or more)
- Shut off the Z part (the area between the upper outdoor unit and the lower outdoor unit) so that outlet air does not bypass.

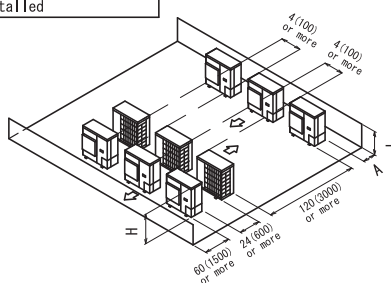
**(b) Obstacle on the suction side**

- No more than two units should be stacked.
- If there is a danger of water from the drain falling on the lower outdoor unit and freezing, install a roof (field supply).
- To prevent the formation and growth of ice in the bottom frame of the 2nd level outdoor unit, install the outdoor unit so that the bottom frame will be sufficiently higher than the roof. (It is recommended to leave 20in. (500mm) or more)
- Shut off the Z part (the area between the upper outdoor unit and the lower outdoor unit) so that outlet air does not bypass.

**5. Multiple rows of series installation
(on the rooftop, etc.)****(a) Stand-alone installation****(b) Series installation
(2 or more)**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	10 (250)
	$1/2H < L \leq H$	12 (300)
$H < L$	Cannot be installed	



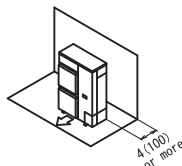
RXTQ60TBVJUB

REQUIRED INSTALLATION SPACE

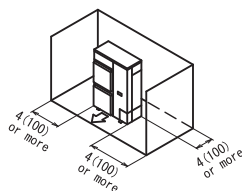
The unit of the values is in. (mm).

1. Where there is an obstacle on the suction side:**(a) No obstacle above**

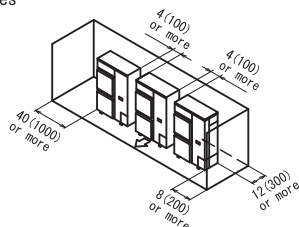
- (1) Stand-alone installation
 • Obstacle on the suction side only



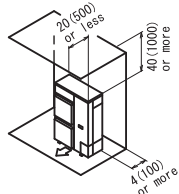
- Obstacle on both sides



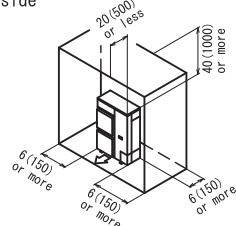
- (2) Series installation
 (2 or more)
 • Obstacle on both sides

**(b) Obstacle above, too**

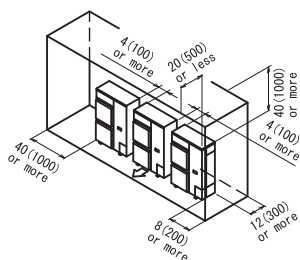
- (1) Stand-alone installation
 • Obstacle on the suction side, too



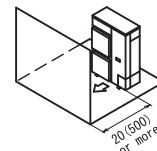
- Obstacle on the suction side and both sides



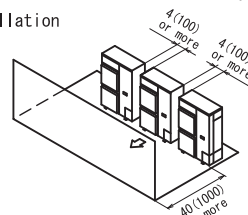
- (2) Series installation
 (2 or more)
 • Obstacle on the suction side and both sides

**2. Where there is an obstacle on the discharge side:****(a) No obstacle above**

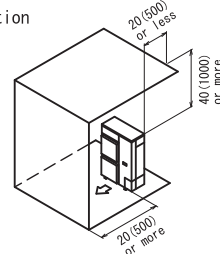
- (1) Stand-alone installation



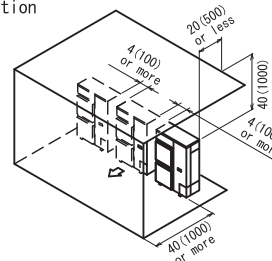
- (2) Series installation
 (2 or more)

**(b) Obstacle above, too**

- (1) Stand-alone installation



- (2) Series installation
 (2 or more)

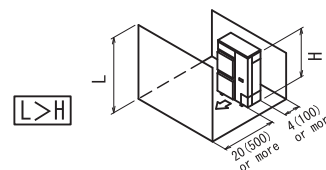
**3. Where there are obstacles on both suction and discharge sides:****Pattern 1**

Where the obstacles on the discharge side is higher than the unit:

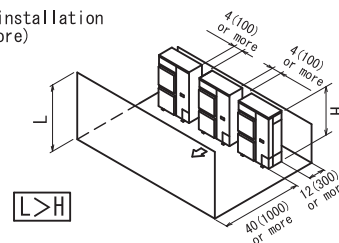
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above

- (1) Stand-alone installation



- (2) Series installation
 (2 or more)



RXTQ60TBVJUB

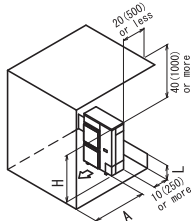
Unit: in. (mm)

(b) Obstacle above, too**(1) Stand-alone installation**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	30 (750)
	$1/2H < L \leq H$	40 (1000)
$H < L$	Set the stand as: $L \leq H$	

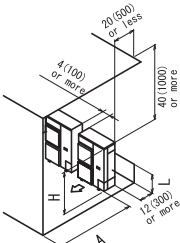
Close the bottom of the installation frame to prevent the discharge air from being bypassed.

**(2) Series installation
(up to two units)**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	40 (1000)
	$1/2H < L \leq H$	50 (1250)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.



Only two units can be installed for this series.

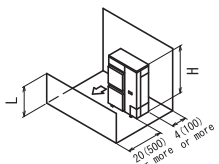
Pattern 2

Where the obstacles on the discharge side is lower than the unit:

(There is no height limit for obstructions on the intake side.)

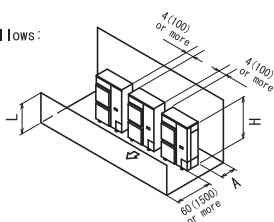
(a) No obstacle above**(1) Stand-alone installation**

$$L \leq H$$

**(2) Series installation
(2 or more)**

The relations between H, A and L are as follows:

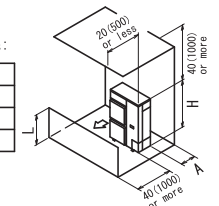
	L	A
$L \leq H$	$0 < L \leq 1/2H$	10 (250)
	$1/2H < L \leq H$	12 (300)

**(b) Obstacle above, too****(1) Stand-alone installation**

The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	4 (100)
	$1/2H < L \leq H$	8 (200)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.

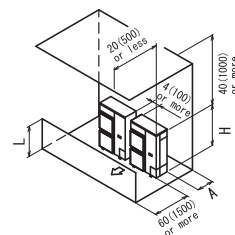
**(2) Series installation
(up to two units)**

The relations between H, A and L are as follows:

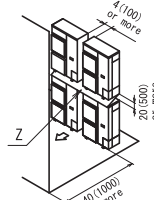
	L	A
$L \leq H$	$0 < L \leq 1/2H$	10 (250)
	$1/2H < L \leq H$	12 (300)
$H < L$	Set the stand as: $L \leq H$	

Close the bottom of the installation frame to prevent the discharge air from being bypassed.

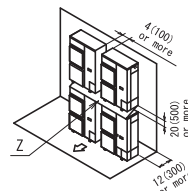
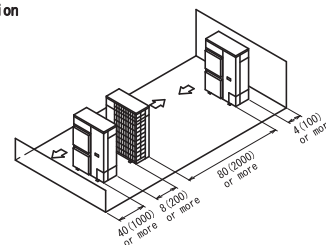
Only two units can be installed for this series.

**4. Double-decker installation****(a) Obstacle on the discharge side**

- No more than two units should be stacked.
- If there is a danger of water from the drain falling on the lower outdoor unit and freezing, install a roof (field supply).
- To prevent the formation and growth of ice in the bottom frame of the 2nd level outdoor unit, install the outdoor unit so that the bottom frame will be sufficiently higher than the roof. (It is recommended to leave 20in. (500mm) or more).
- Shut off the Z part (the area between the upper outdoor unit and the lower outdoor unit) so that outlet air does not bypass.

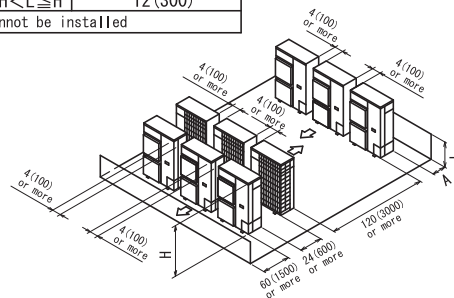
**(b) Obstacle on the suction side**

- No more than two units should be stacked.
- If there is a danger of water from the drain falling on the lower outdoor unit and freezing, install a roof (field supply).
- To prevent the formation and growth of ice in the bottom frame of the 2nd level outdoor unit, install the outdoor unit so that the bottom frame will be sufficiently higher than the roof. (It is recommended to leave 20in. (500mm) or more).
- Shut off the Z part (the area between the upper outdoor unit and the lower outdoor unit) so that outlet air does not bypass.

**5. Multiple rows of series installation
(on the rooftop, etc.)****(a) Stand-alone installation****(b) Series installation
(2 or more)**

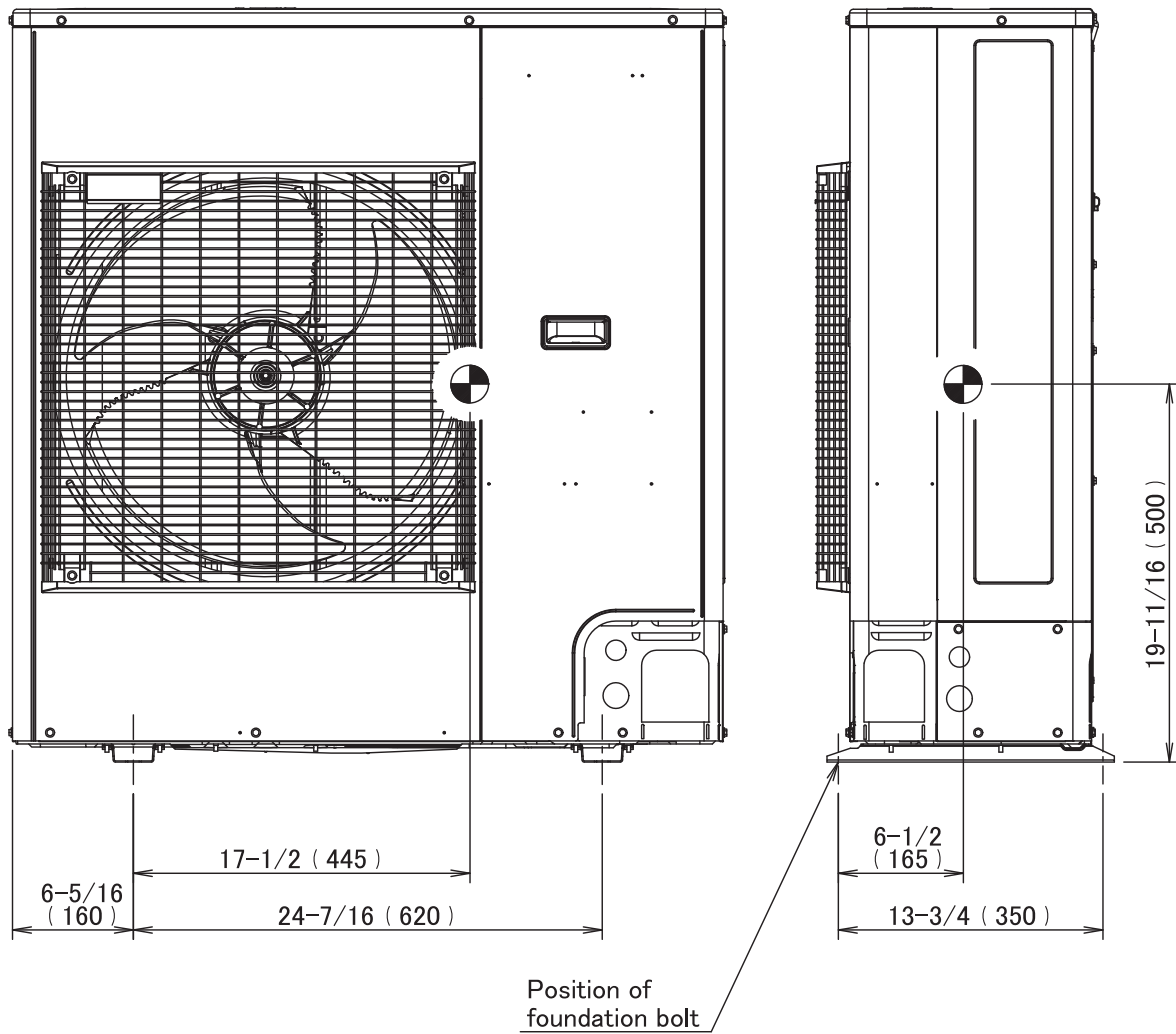
The relations between H, A and L are as follows:

	L	A
$L \leq H$	$0 < L \leq 1/2H$	10 (250)
	$1/2H < L \leq H$	12 (300)
$H < L$	Cannot be installed	



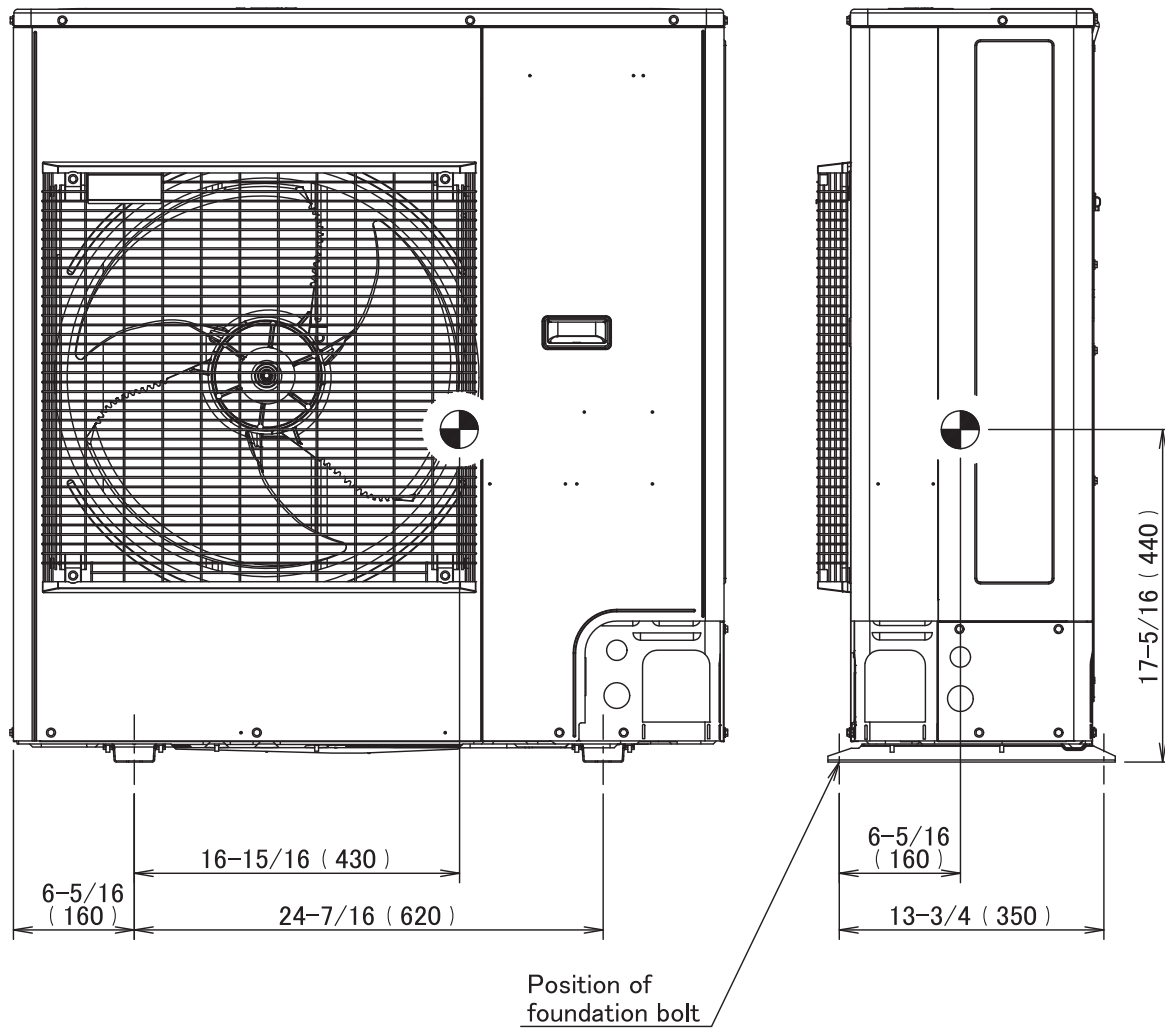
9. Center of Gravity

RXTQ36TBVJUB



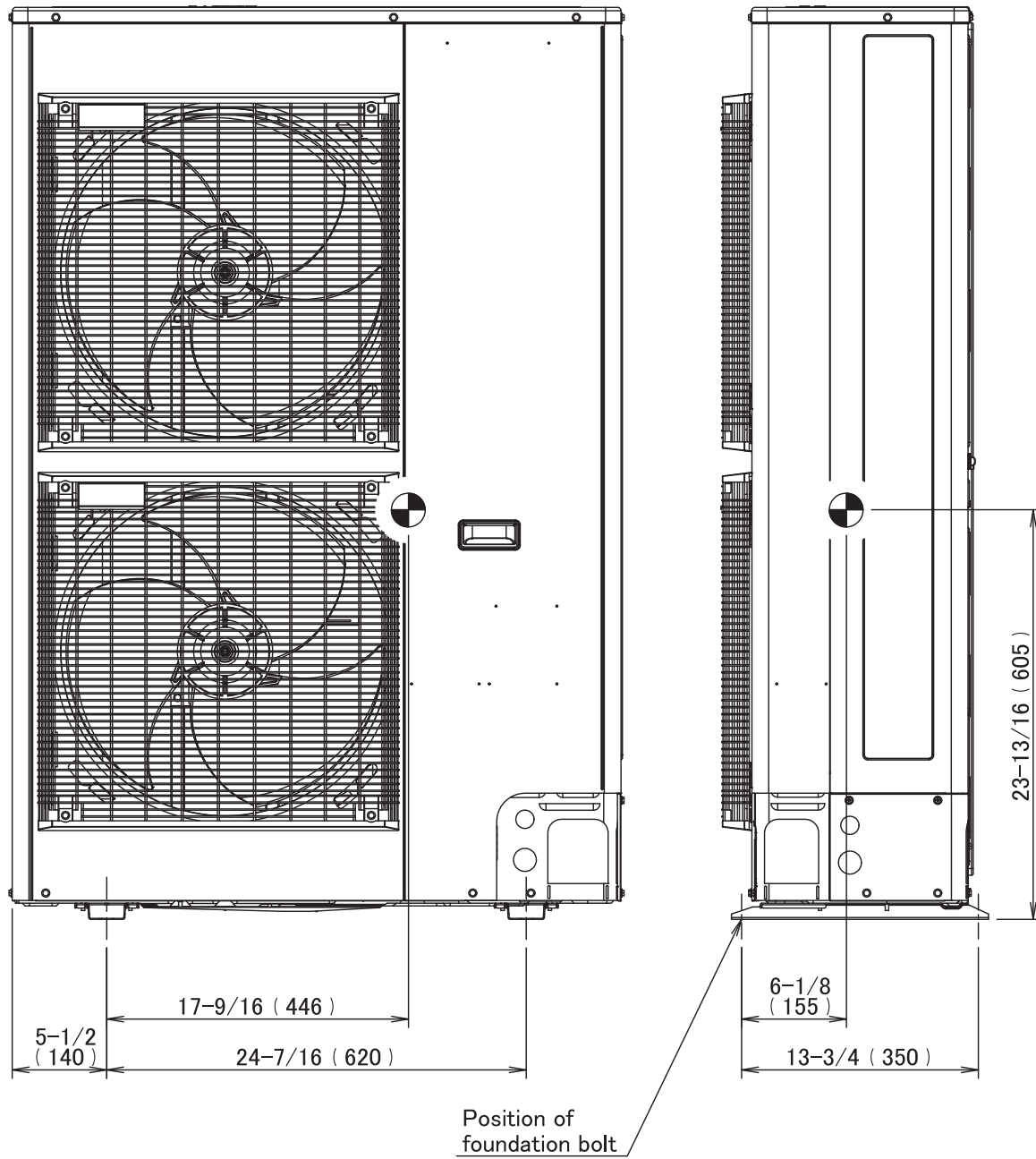
Unit: in. (mm)

RXTQ48TBVJUB



Unit: in. (mm)

RXTQ60TBVJUB

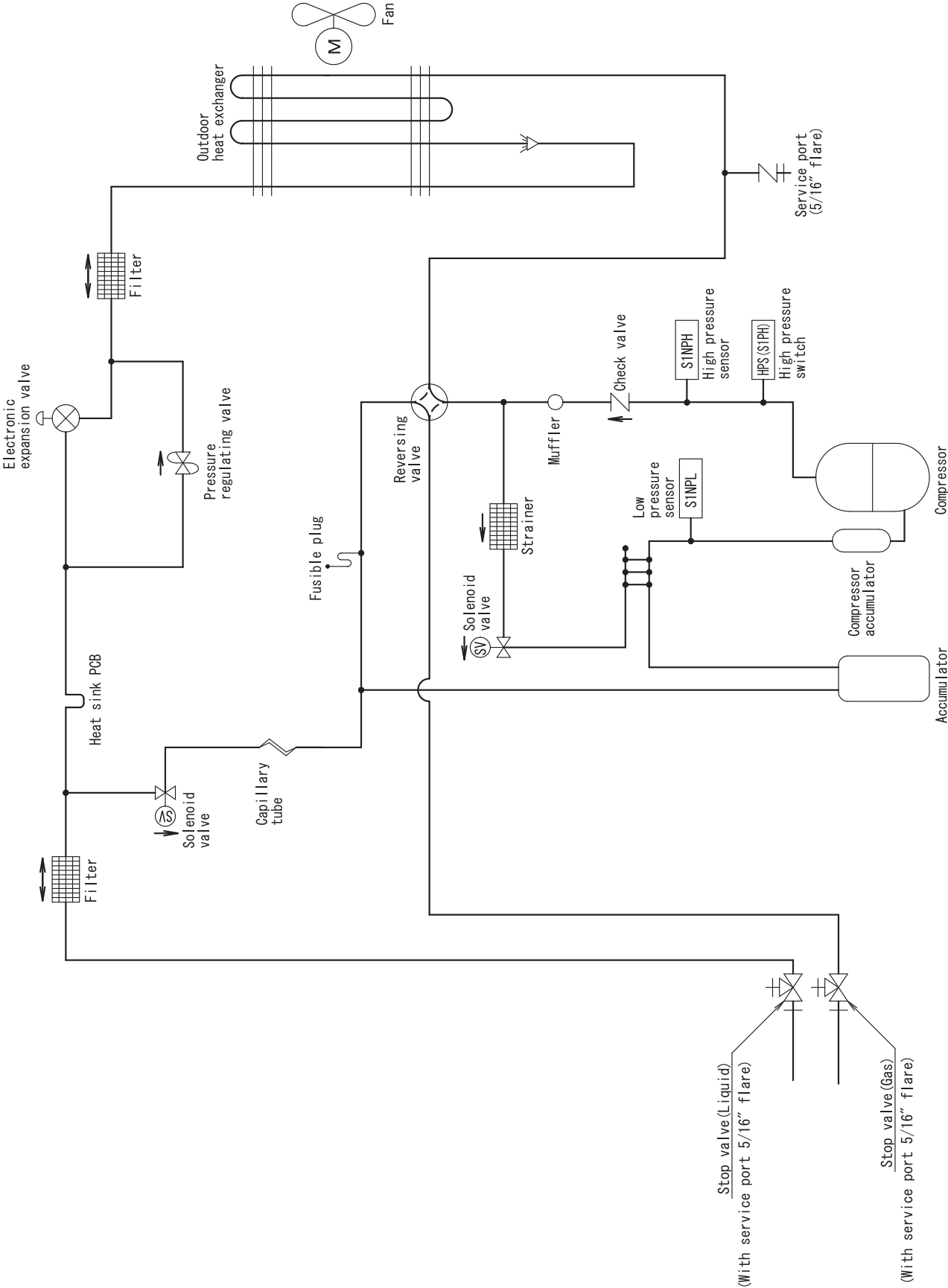


Unit: in. (mm)

10.Piping Diagrams

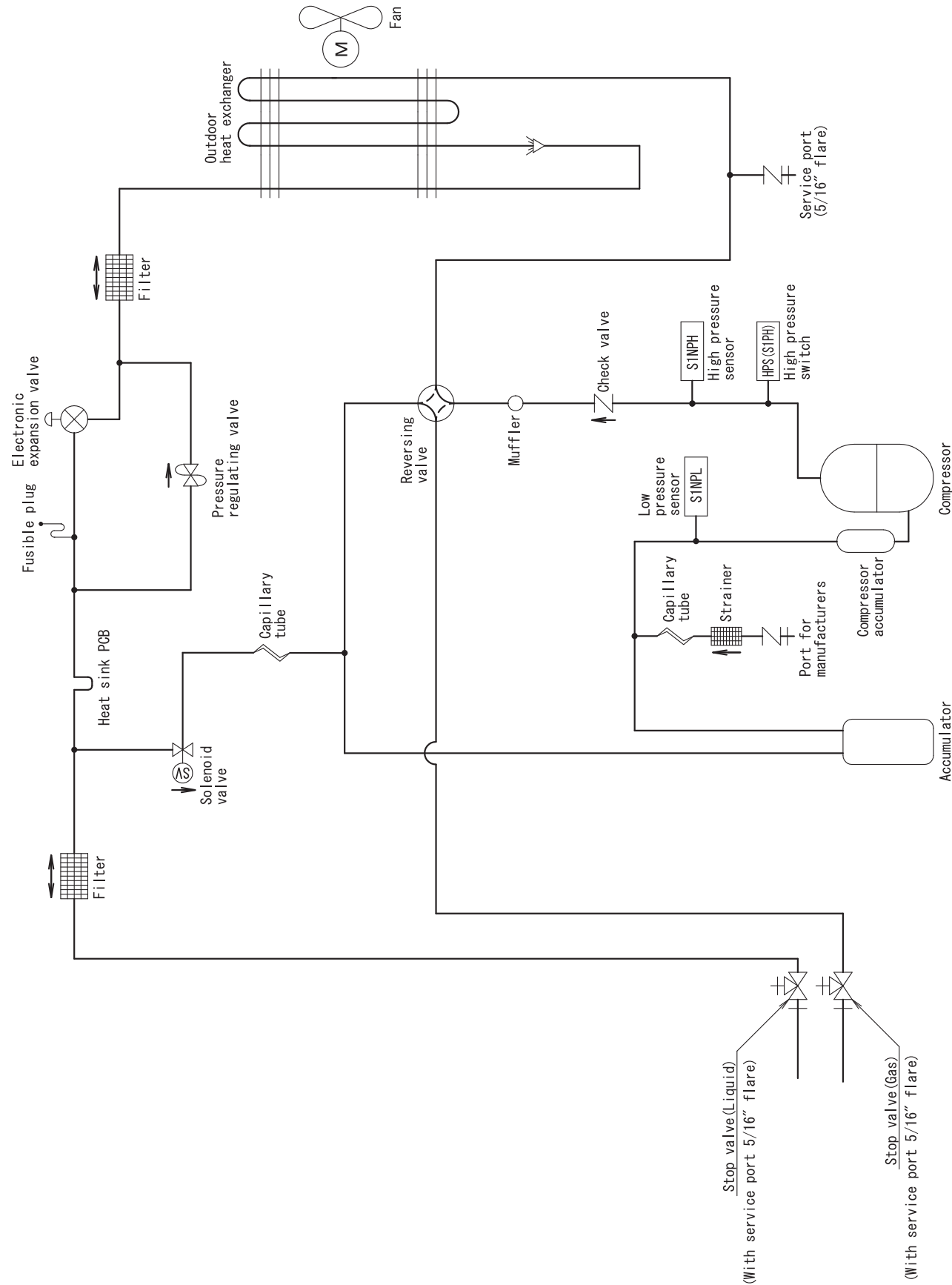
RXTQ36TBVJUB

3D145492A



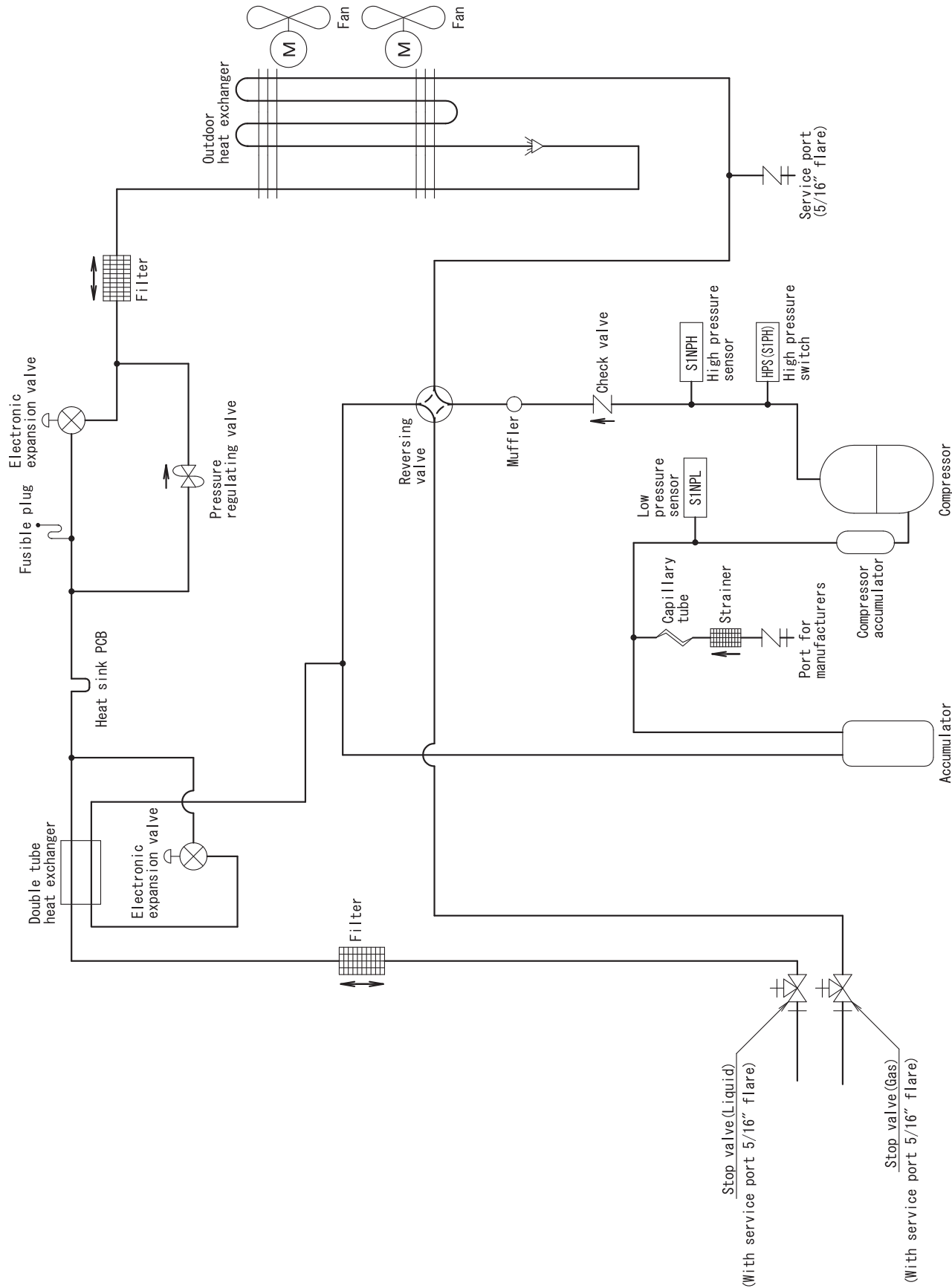
RXTQ48TBVJUB

3D146982A



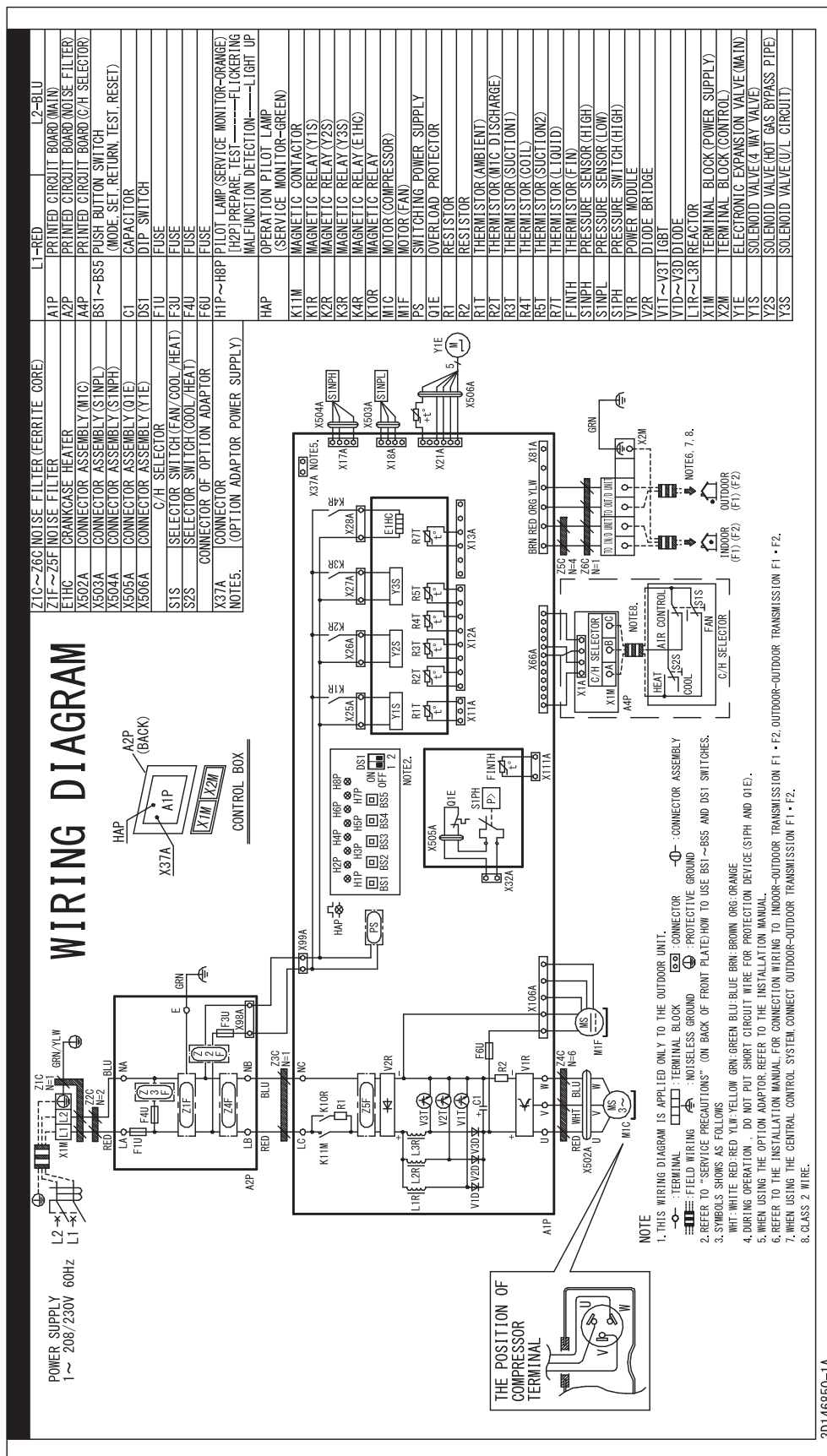
RXTQ60TBVJUB

3D146984A



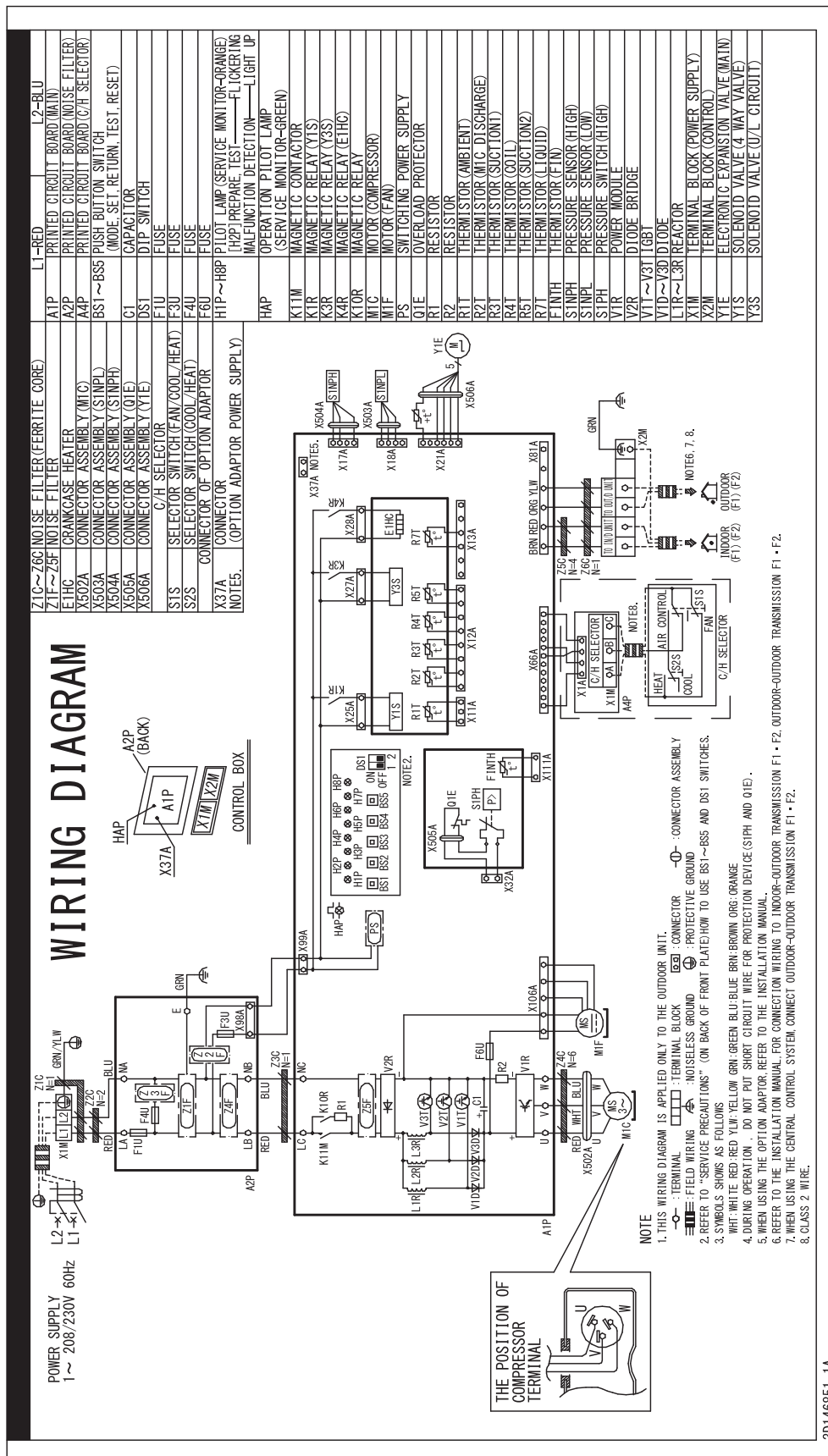
11.Wiring Diagrams

RXTQ36TBVJUB



C: 3D146850D

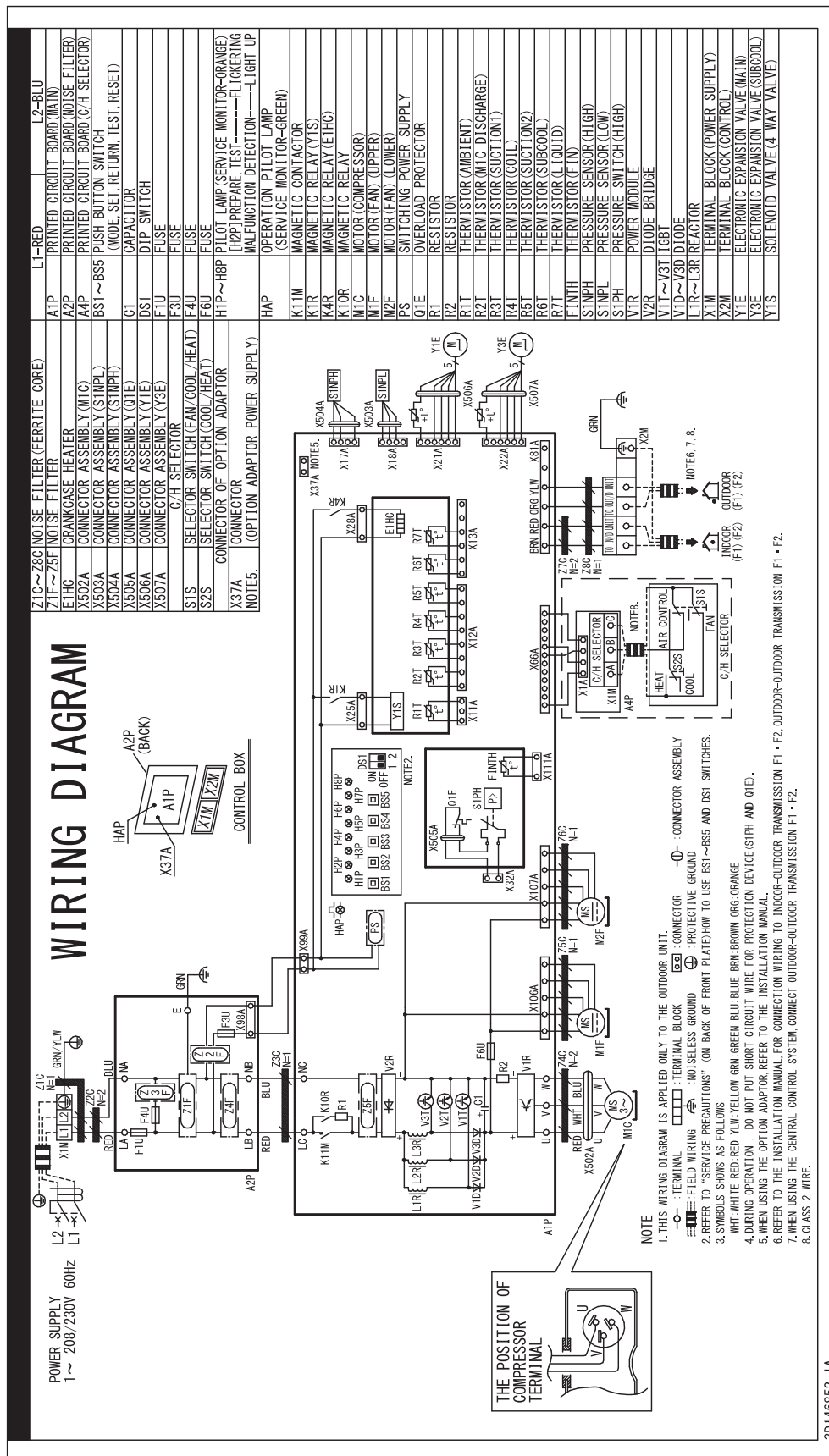
RXTQ48TBVJUB



C: 3D146851D

3D146851-1A

RXTQ60TBVJUB

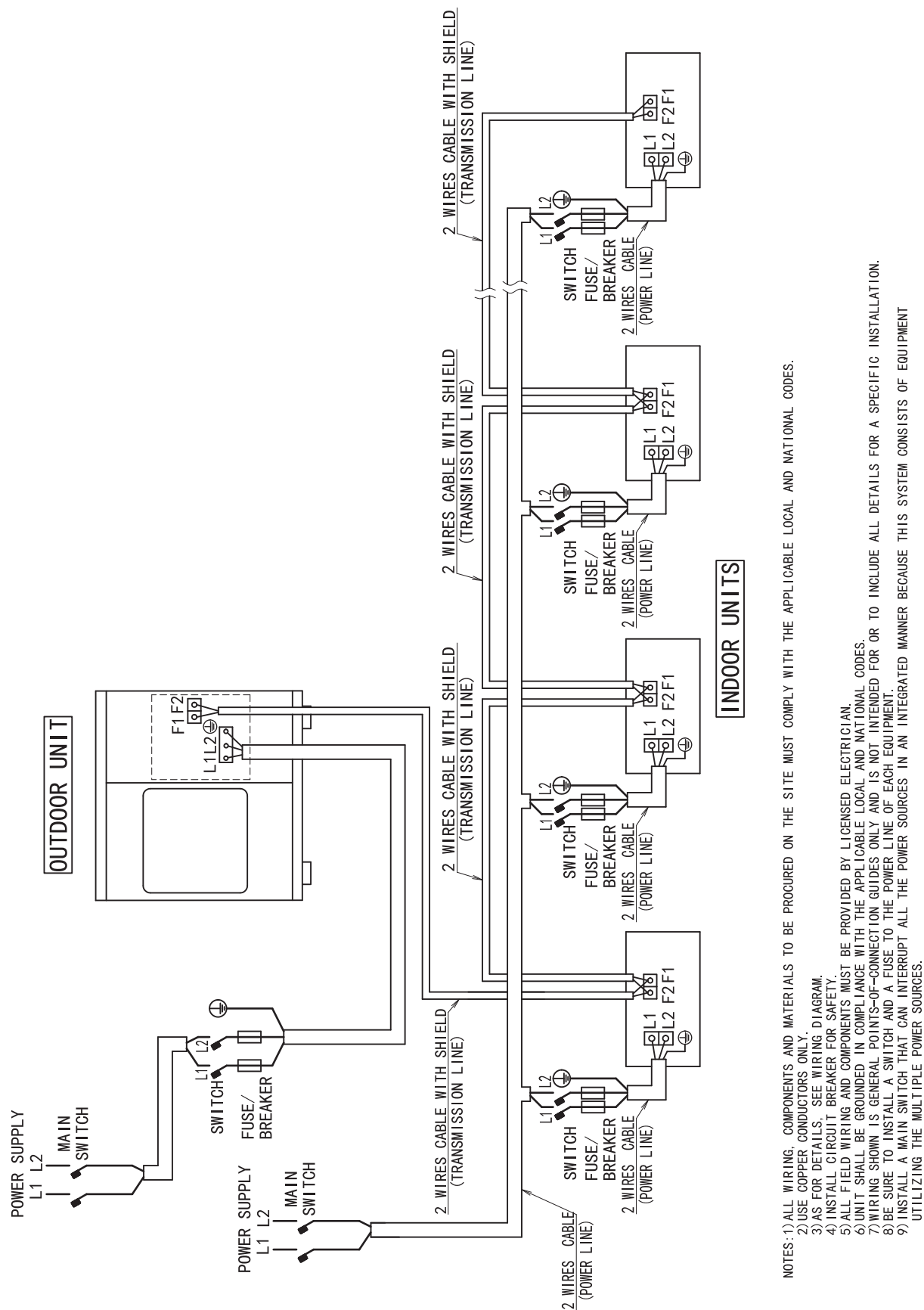


C: 3D146852D

3D146852-1A

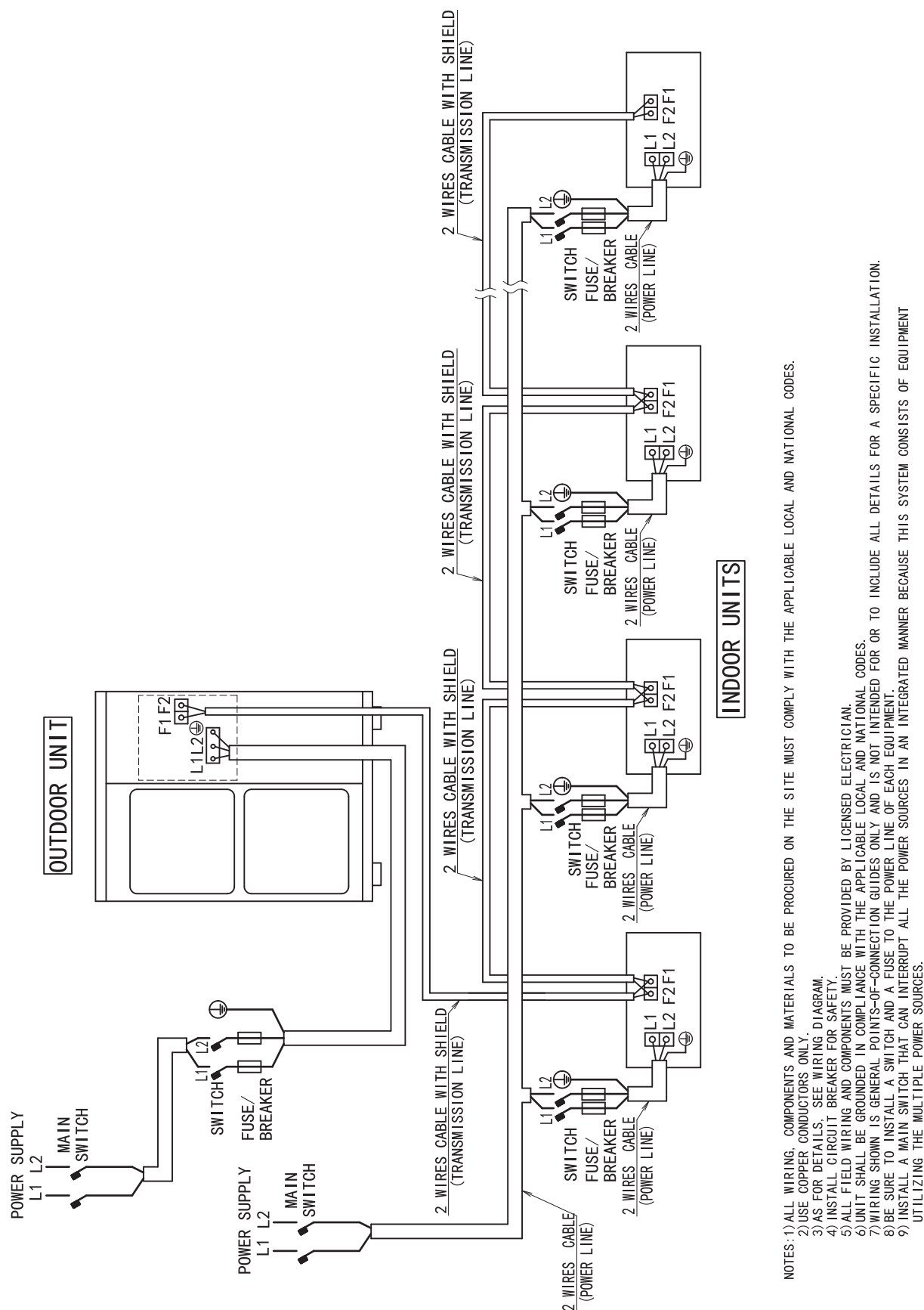
12. Field Wiring

RXTQ36 - 48TBVJUB



3D143158B

RXTQ60TBVJUB



3D143159B

13. Electrical Characteristics

RXTQ36 - 60TBVJUB

Model	Power Supply						Fan/Compressor Inverter Drive Input	Fan Motor Output		SCCR
	Hz	Volts	Min.	Max.	MCA	MOP	A	Hp	W	
RXTQ36TBVJUB	60	208/230	187	253	19.8	20	15.1	0.27	200	SCCR kA rms, Symmetrical @600V MAX: 5
RXTQ48TBVJUB	60	208/230	187	253	32.8	35	21.1	0.27	200	
RXTQ60TBVJUB	60	208/230	187	253	32.8	35	25.5	2 × 0.09	2 × 70	

Symbol:

MCA: Minimum Circuit Ampacity (A)

MOP: Maximum Overcurrent Protective Device (See note 4) (A)

SCCR: Short-Circuit Current Rating

Note:

1. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

2. Maximum allowable voltage unbalance between phases is 2%.

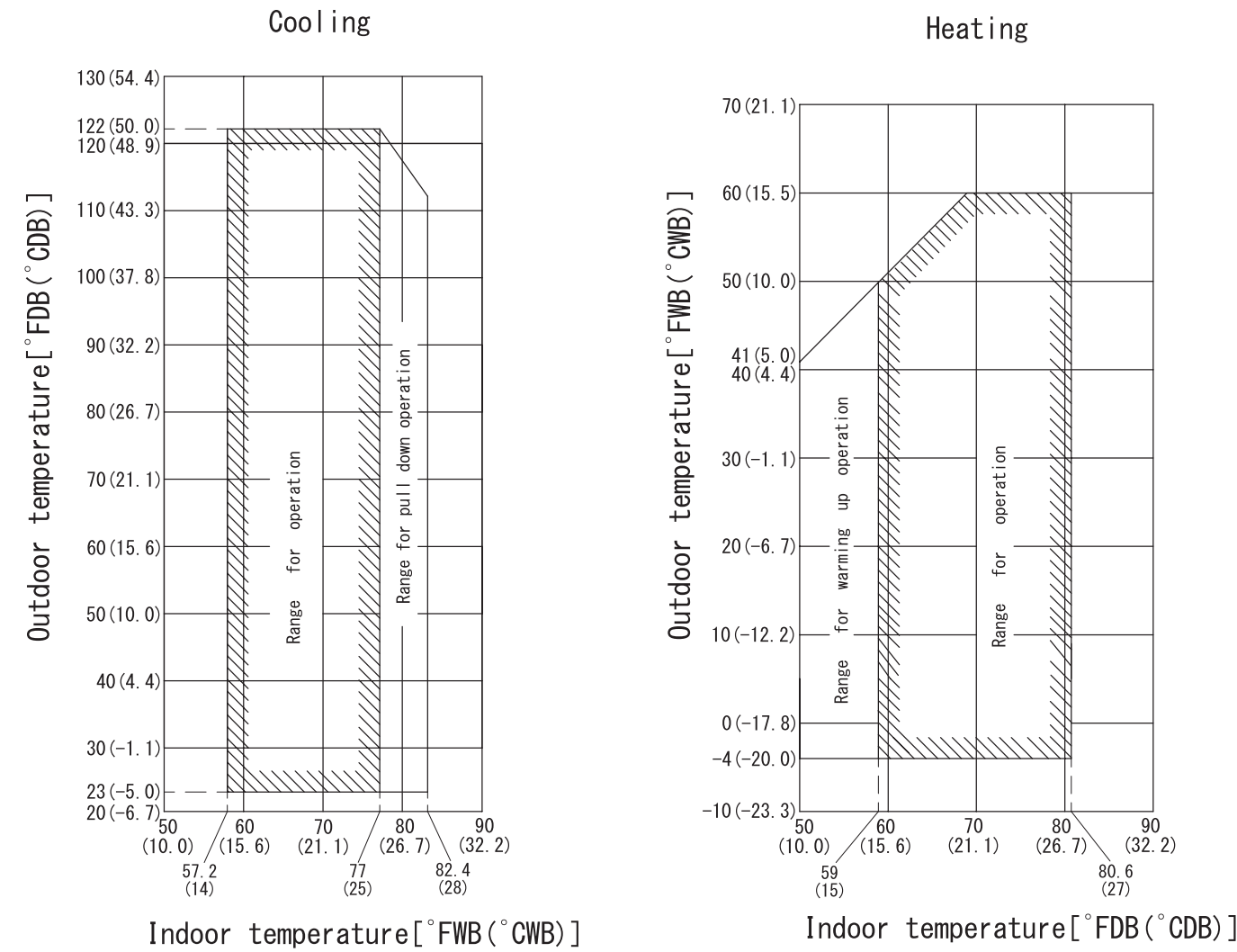
3. Select wiring size based on the MCA.

4. MOP is used to select the circuit breaker.

C: 3D148314

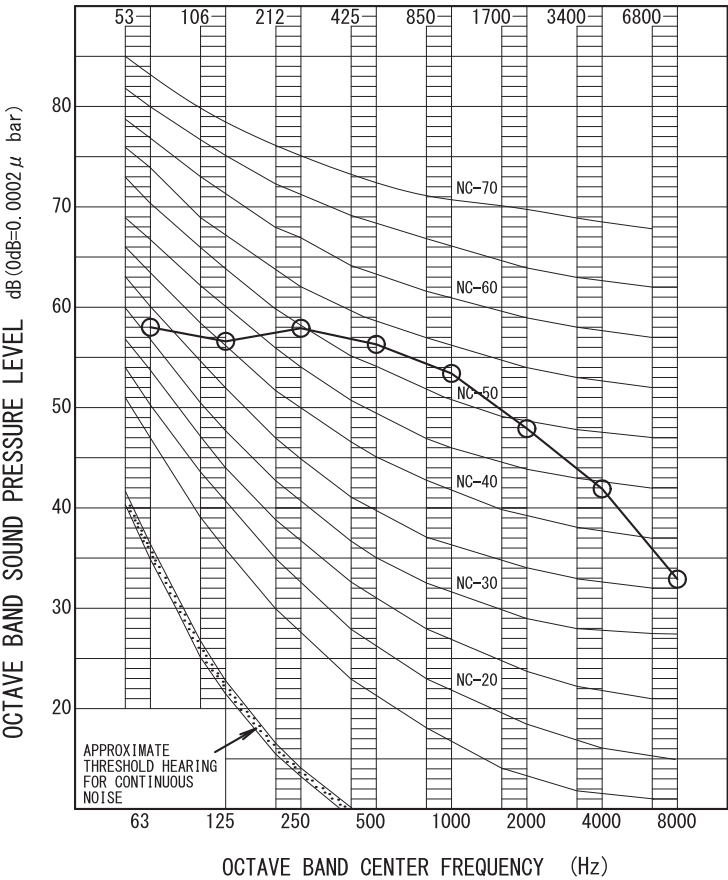
14.Operation Limits

RXTQ36 - 60TBVJUB



15.Sound Levels (Reference Data)

RXTQ36TBVJUB (cooling)



OVER ALL (dB)

SCALE	A	58
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(B. G. N IS ALREADY RECTIFIED)

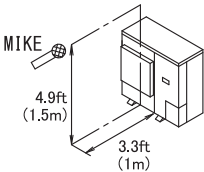
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE : 80.0°FDB (26.7°CDB) , 67.0°FWB (19.4°CWB) OUTDOOR TEMPERATURE : 95.0°FDB (35.0°CDB) , 75.0°FWB (23.9°CWB)

MEASURING PLACE

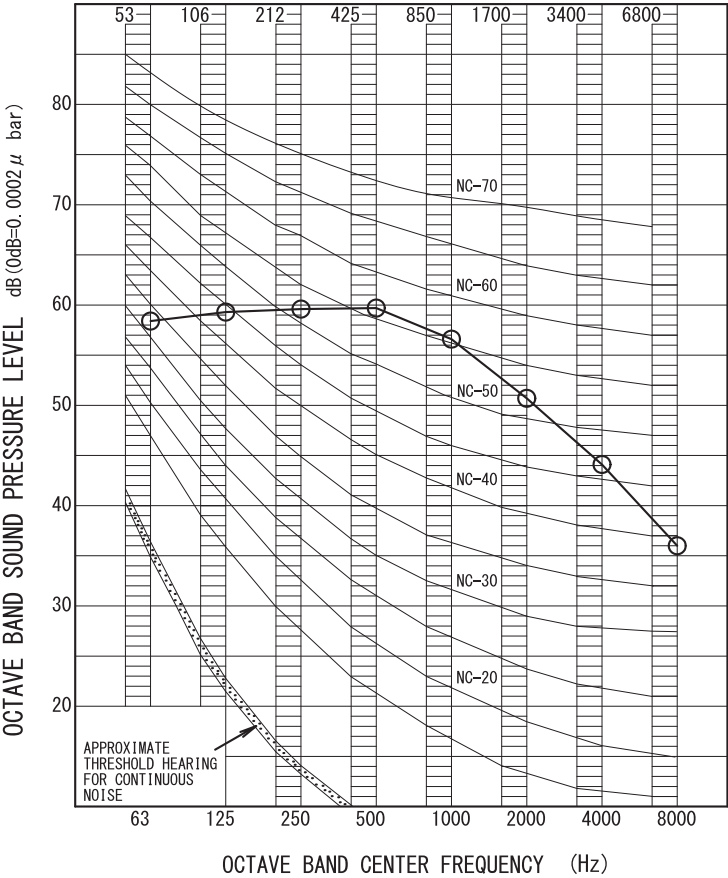
ANECHOIC CHAMBER

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.

RXTQ36TBVJUB (heating)



OVER ALL (dB)

SCALE	A	61
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(B. G. N IS ALREADY RECTIFIED)

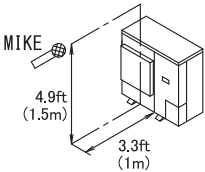
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
HEATING	RETURN AIR TEMPERATURE : 70.0°FDB (21.1°CDB) OUTDOOR TEMPERATURE : 47.0°FDB (8.3°CDB), 43.0°FDB (6.1°CWB)

MEASURING PLACE

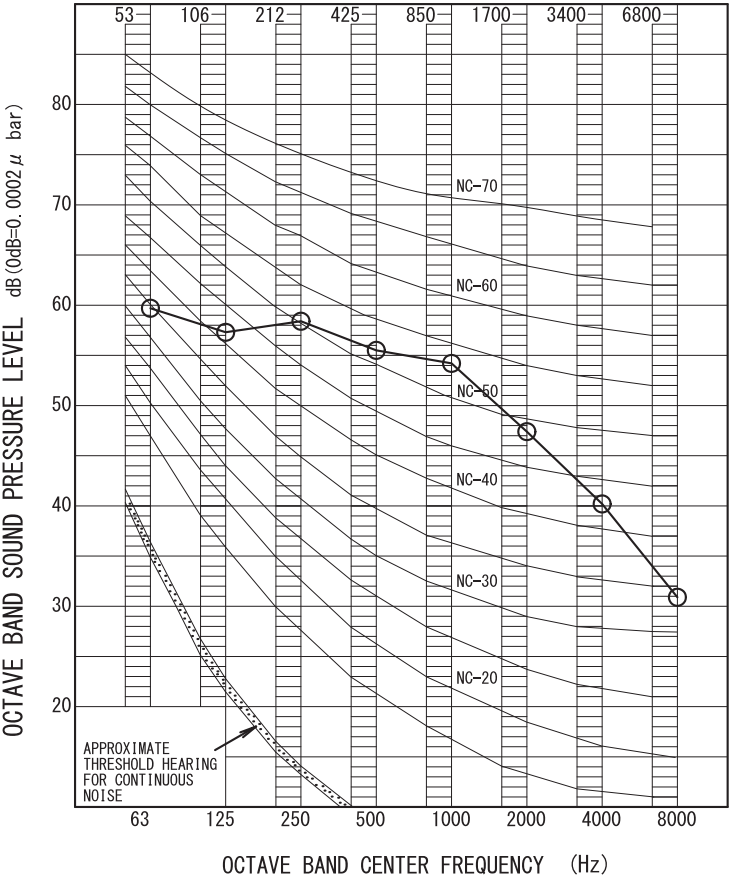
ANECHOIC CHAMBER

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.
WHEN FROSTING ON COIL, OPERATING SOUND MAY BECOME LARGER THAN THE ABOVE VALUE.

RXTQ48TBVJUB (cooling)



OVER ALL (dB)

SCALE	A	58
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(B. G. N IS ALREADY RECTIFIED)

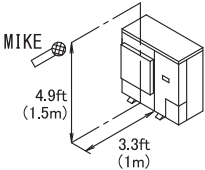
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE : 80.0°FDB (26.7°CDB) 67.0°FWB (19.4°CWB) OUTDOOR TEMPERATURE : 95.0°FDB (35.0°CDB) 75.0°FWB (23.9°CWB)

MEASURING PLACE

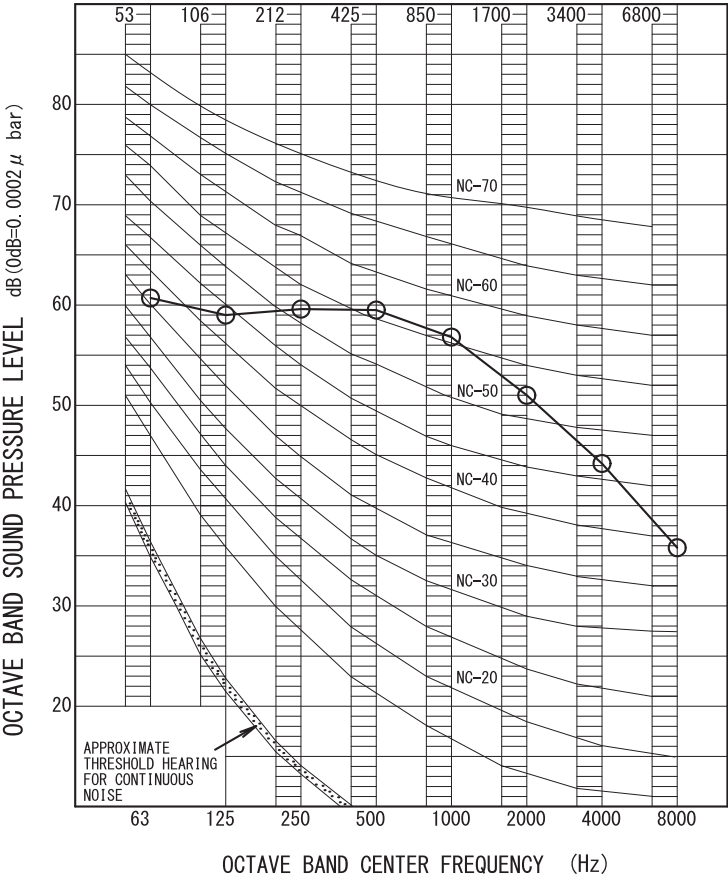
ANECHOIC CHAMBER

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.

RXTQ48TBVJUB (heating)



OVER ALL (dB)

SCALE A	61
---------	----

(B. G. N IS ALREADY RECTIFIED)

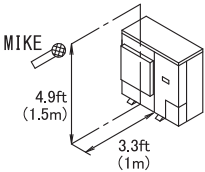
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
HEATING	RETURN AIR TEMPERATURE : 70.0°FDB (21.1°CDB) OUTDOOR TEMPERATURE : 47.0°FDB (8.3°CDB), 43.0°FDB (6.1°CWB)

MEASURING PLACE

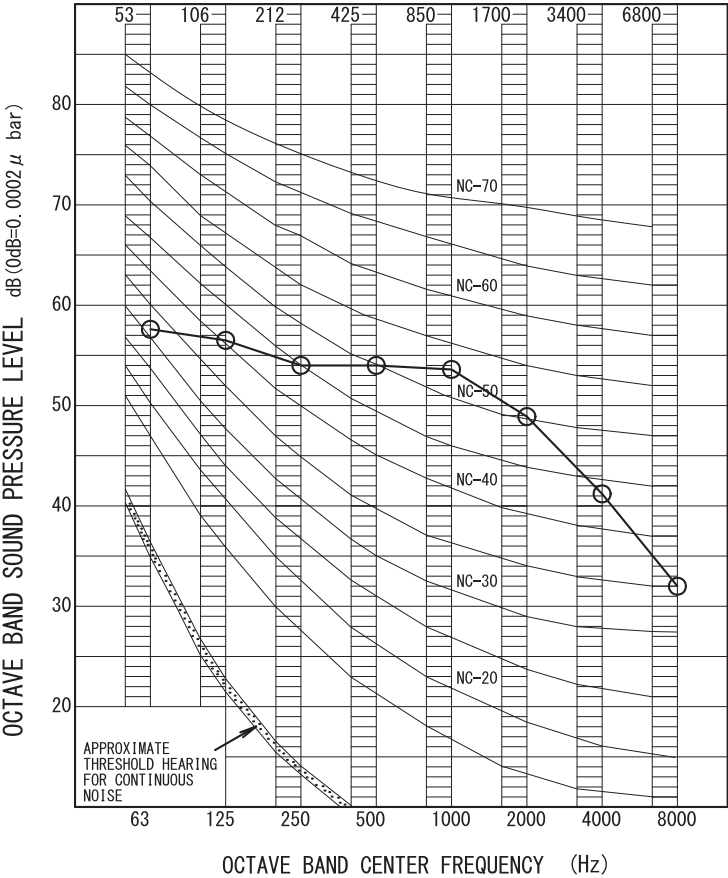
ANECHOIC CHAMBER

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.
WHEN FROSTING ON COIL, OPERATING SOUND MAY BECOME LARGER THAN THE ABOVE VALUE.

RXTQ60TBVJUB (cooling)



OVER ALL (dB)

SCALE	A	57
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(B. G. N IS ALREADY RECTIFIED)

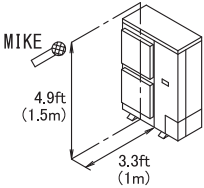
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE : 80.0°FDB (26.7°CDB) 67.0°FWB (19.4°CWB) OUTDOOR TEMPERATURE : 95.0°FDB (35.0°CDB) 75.0°FWB (23.9°CWB)

MEASURING PLACE

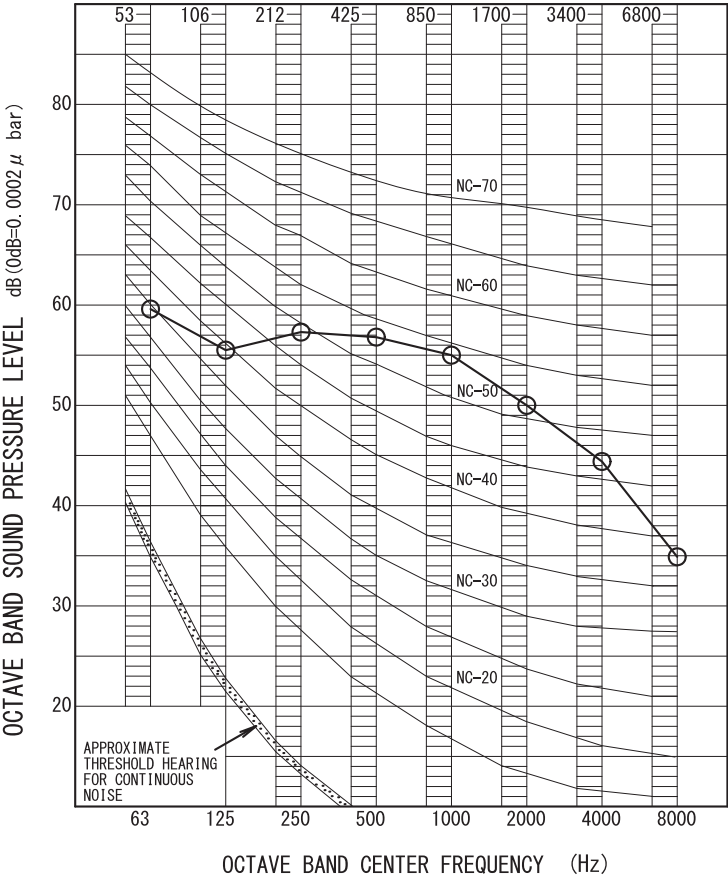
ANECHOIC CHAMBER

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.

RXTQ60TBVJUB (heating)



OVER ALL (dB)

SCALE	A	59
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(B, G, N IS ALREADY RECTIFIED)

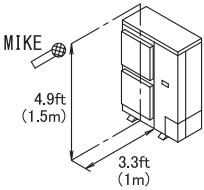
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
HEATING	RETURN AIR TEMPERATURE : 70.0°FDB (21.1°CDB) OUTDOOR TEMPERATURE : 47.0°FDB (8.3°CDB), 43.0°FDB (6.1°CWB)

MEASURING PLACE

ANECHOIC CHAMBER

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.
WHEN FROSTING ON COIL, OPERATING SOUND MAY BECOME LARGER THAN THE ABOVE VALUE.

16.Accessories

16.1 Optional Accessories

RXTQ36 - 60TBVJUB

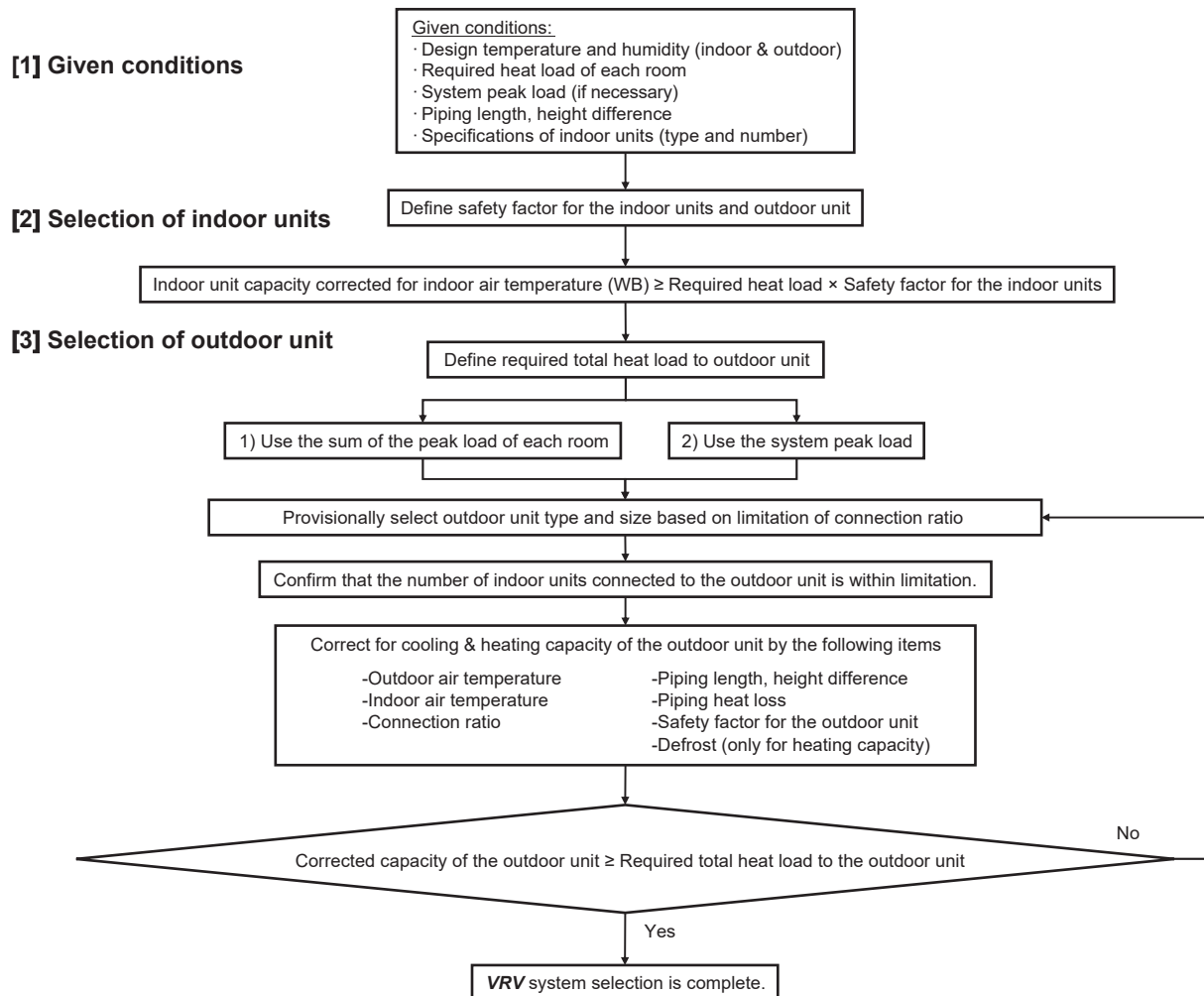
Optional accessories		RXTQ36TBVJUB	RXTQ48TBVJUB	RXTQ60TBVJUB
ABC I/P printed circuit board kit		BRP2A82		
Distributive piping	REFNET header	KHRP26M22H9 / KHRP26M22HA (Max. 4 branch), KHRP26M33H9 / KHRP26M33HA (Max. 8 branch)		
	REFNET joint	KHRP26A22T9 / KHRP26A22TA		

C: 4D148244

17. Selection Procedure

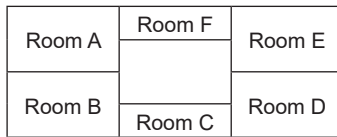
17.1 Selection Procedure

17.1.1 Flowchart



17.1.2 Selection Example

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



Floor plan

[1] Given conditions

-Design conditions

Indoor air temperature: 67°F WB / 80°F DB, Outdoor air temperature: 93°F DB

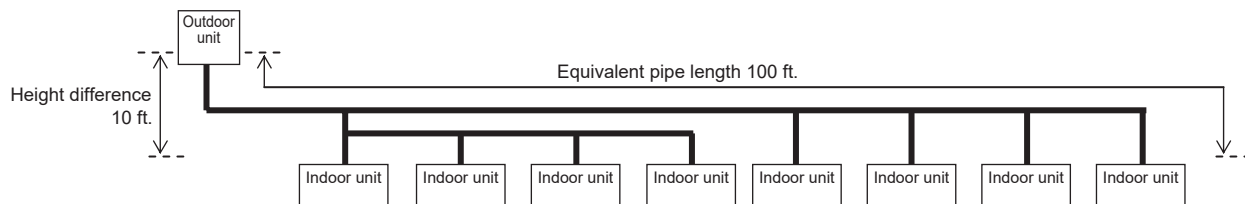
-Determine peak load of each room (and system peak load if necessary)

-Required heat load of each room

Time	Room A	Room B	Room C	Room D	Room E	Room F	Total
9:00	8.0	8.0	6.0	6.0	10.5	10.5	49.0
12:00	10.0	10.0	6.0	5.8	8.0	8.0	47.8
14:00	11.0	11.0	6.8	6.8	6.2	8.0	49.8
16:00	12.1	12.2	4.3	4.0	12.1	5.0	49.7

Total heat load (MBH)

From the above heat load calculation, the maximum heat load for the system (system peak load) is 49.8 MBH.



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

-Safety factor

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

[2] Selection of indoor units

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

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

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

Capacity table of indoor unit

Cooling capacity

Model	Indoor air temp. °FWB (°CWB) (Te: 43°F (6°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
FXSQ05TBVJU	4.8	4.5	5.5	4.7	5.8	4.7	5.9	4.6	6.0	4.5	6.0	4.5
FXSQ07TBVJU	6.0	4.9	6.6	5.3	7.2	5.5	7.3	5.3	7.5	5.1	7.7	5.1
FXSQ09TBVJU	7.7	6.1	8.9	6.8	9.5	7.0	9.6	6.7	9.8	6.6	10.0	6.6
FXSQ12TBVJU	9.6	8.5	10.9	9.4	12.0	9.7	12.3	9.2	12.4	9.0	12.6	8.9
FXSQ15TBVJU	12.1	10.2	13.6	11.1	15.0	11.3	15.3	11.0	15.4	10.8	15.6	10.3
FXSQ18TBVJU	14.5	12.2	16.3	13.3	18.0	13.6	18.4	13.3	18.7	13.1	18.8	12.8
FXSQ24TBVJU	19.3	15.2	21.9	16.9	24.0	17.1	24.4	16.7	24.7	16.4	25.1	15.8
FXSQ30TBVJU	24.2	20.1	27.6	22.4	30.0	22.6	30.6	22.0	31.0	21.6	31.6	21.0
FXSQ36TBVJU	29.1	22.9	33.0	25.2	36.0	25.7	36.7	25.1	37.2	24.7	37.9	23.9
FXSQ48TBVJU	38.8	30.3	44.1	33.5	48.0	34.3	49.0	33.5	49.7	33.0	50.5	31.8
FXSQ54TBVJU	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
Max. heat load (MBH)	12.1	12.2	6.8	6.8	12.1	10.5
Selected IDU	FXSQ15TBVJU	FXSQ15TBVJU	FXSQ07TBVJU	FXSQ07TBVJU	FXSQ15TBVJU	FXSQ12TBVJU
Corrected TC (MBH)	15.0	15.0	7.2	7.2	15.0	12.0

*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) = 49.8 MBH

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

CI of FXSQ07TBVJU = 7.5

CI of FXSQ12TBVJU = 12

CI of FXSQ15TBVJU = 15

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	FXSQ	05TB	07TB	09TB	12TB	15TB	18TB	—	24TB	30TB	36TB	—	48TB	54TB	—	VJU

Calculate the total CI of the indoor units.

Total CI = $7.5 \times 2 + 12 \times 1 + 15 \times 3 = 72$ **(2) Provisionally select an outdoor unit based on the total CI of the indoor units**

The connection ratio of RXTQ-TB shall be between 50% and 130%.

As the total CI of the indoor units is 72, outdoor units 5 ton are connectable.

Model name	RXTQ36TBVJUB	RXTQ48TBVJUB	RXTQ60TBVJUB
Capacity range	3 ton	4 ton	5 ton
Capacity index	36	48	57.5
Max. number of connectable indoor units	6	8	9
Total capacity index of indoor units to be connected	18.0 ~ 46.8	24.0 ~ 62.4	28.8 ~ 74.8

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

The number of the connected indoor units = 6

The max. number of connectable indoor units of 5 ton outdoor unit = 9

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

-Calculate the connection ratio of the system.

Total CI = 72, CI of RXTQ60TBVJUB = 57.5

Connection ratio = $72 / 57.5 = 125\%$

-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.

RXTQ60TBVJUB Cooling Capacity for Standard Condition (Te: 43°F)

Connection ratio	Outdoor air temp.	Indoor air temp. (°FWB)														
		57			61			64			67			70		
		TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH	TC	PI	MBH
%	*FDB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH
23	48.5	2.26	59.0	2.81	66.9	3.25	74.7	3.70	82.6	4.15	85.2	4.21	86.7	4.08		
30	48.5	2.33	59.0	2.90	66.9	3.36	74.7	3.82	82.3	4.25	83.3	4.17	84.9	4.03		
40	48.5	2.44	59.0	3.05	66.9	3.52	74.7	4.01	79.6	4.20	80.6	4.10	82.2	3.97		
50	48.5	2.56	59.0	3.20	66.9	3.70	74.7	4.21	76.9	4.13	77.9	4.04	79.5	3.89		
54	48.5	2.61	59.0	3.27	66.9	3.78	74.3	4.25	75.8	4.10	76.8	4.01	78.4	3.93		
58	48.5	2.67	59.0	3.34	66.9	3.86	73.2	4.22	74.7	4.13	75.8	4.15	77.3	4.18		
62	48.5	2.73	59.0	3.41	66.9	3.95	72.1	4.34	73.6	4.37	74.7	4.39	76.2	4.43		
66	48.5	2.78	59.0	3.52	66.9	4.24	71.0	4.58	72.6	4.62	73.6	4.64	75.1	4.68		
70	48.5	2.88	59.0	3.81	66.9	4.59	69.9	4.82	71.5	4.86	72.5	4.89	74.1	4.93		
72	48.5	2.99	59.0	3.96	66.9	4.78	69.4	4.95	70.9	4.99	72.0	5.01	73.5	5.05		
75	48.5	3.16	59.0	4.19	66.9	5.06	68.6	5.13	70.1	5.17	71.2	5.20	72.7	5.24		
79	48.5	3.25	59.0	4.32	66.9	5.37	69.1	5.42	70.1	5.45	71.6	5.49	73.1	5.53		
83	48.5	3.66	59.0	4.87	64.9	5.57	66.4	5.62	68.0	5.67	69.0	5.70	70.6	5.75		
87	48.5	3.93	59.0	5.24	63.8	5.82	65.4	5.87	66.9	5.92	67.9	5.95	68.5	5.97		
91	48.5	4.21	59.0	5.63	62.7	6.06	64.3	6.12	65.8	6.17	65.9	6.17	65.9	6.18		
93	48.5	4.36	59.0	5.84	62.2	6.19	63.7	6.24	64.6	6.27	64.6	6.27	64.7	6.28		
95	48.5	4.52	59.0	6.05	61.7	6.31	63.2	6.37	63.4	6.37	63.4	6.37	63.4	6.37		
99	48.5	4.85	59.0	6.49	60.6	6.56	60.8	6.57	60.8	6.57	60.8	6.57	60.8	6.57		
103	48.5	5.19	57.9	6.75	58.2	6.76	58.2	6.76	58.2	6.76	58.2	6.76	58.3	6.76		
106	48.5	5.47	54.5	6.10	54.6	6.10	54.7	6.11	54.8	6.12	54.9	6.12	55.0	6.13		
110	46.9	5.31	47.0	5.32	47.1	5.33	47.2	5.34	47.3	5.34	47.3	5.35	47.4	5.36		
115	37.4	4.34	37.6	4.35	37.7	4.36	37.8	4.37	37.9	4.37	37.9	4.38	38.0	4.39		
118	31.8	3.76	31.9	3.77	32.0	3.78	32.1	3.79	32.2	3.79	32.3	3.80	32.4	3.81		
122	24.2	2.98	24.4	2.99	24.5	3.00	24.6	3.01	24.7	3.02	24.7	3.02	24.8	3.03		
23	44.8	2.07	54.5	2.57	61.7	2.96	69.0	3.37	76.3	3.78	81.1	4.06	85.3	4.20		
30	44.8	2.13	54.5	2.65	61.7	3.06	69.0	3.48	76.3	3.91	81.1	4.20	83.4	4.16		
40	44.8	2.23	54.5	2.78	61.7	3.21	69.0	3.65	76.3	4.10	79.3	4.22	80.7	4.10		
50	44.8	2.34	54.5	2.92	61.7	3.38	69.0	3.84	75.6	4.25	76.6	4.16	78.0	4.03		
54	44.8	2.39	54.5	2.98	61.7	3.45	69.0	3.92	74.6	4.22	75.5	4.13	76.9	4.00		
58	44.8	2.44	54.5	3.05	61.7	3.52	69.0	4.01	73.5	4.20	74.4	4.12	75.9	4.15		
62	44.8	2.49	54.5	3.11	61.7	3.60	69.0	4.10	72.4	4.34	73.3	4.37	74.8	4.40		
66	44.8	2.54	54.5	3.18	61.7	3.76	69.0	4.45	71.3	4.59	72.3	4.61	73.7	4.64		
70	44.8	2.60	54.5	3.39	61.7	4.07	68.8	4.80	70.2	4.83	71.2	4.85	72.6	4.89		
72	44.8	2.68	54.5	3.52	61.7	4.23	68.3	4.92	69.7	4.95	70.7	4.98	72.1	5.01		
75	44.8	2.83	54.5	3.73	61.7	4.48	67.5	5.10	68.9	5.14	69.8	5.16	71.3	5.20		
79	44.8	3.04	54.5	4.02	61.7	4.84	66.4	5.34	67.8	5.38	68.8	5.41	70.2	5.45		
83	44.8	3.27	54.5	4.32	61.7	5.21	65.3	5.59	66.7	5.63	67.7	5.66	69.1	5.70		
87	44.8	3.51	54.5	4.65	61.7	5.61	64.2	5.83	65.7	5.88	66.6	5.91	68.0	5.96		
91	44.8	3.76	54.5	4.99	61.7	6.03	63.1	6.08	64.6	6.13	65.5	6.16	65.9	6.18		
93	44.8	3.89	54.5	5.17	61.2	6.19	62.6	6.20	64.0	6.25	64.6	6.27	64.7	6.28		
95	44.8	4.03	54.5	5.36	60.6	6.27	62.1	6.33	63.4	6.37	63.4	6.37	63.4	6.37		
99	44.8	4.32	54.5	5.75	59.6	6.52	60.8	6.57	60.8	6.57	60.8	6.57	60.8	6.57		
103	44.8	4.62	54.5	6.17	58.2	6.76	58.2	6.76	58.2	6.76	58.2	6.76	58.3	6.76		
106	44.8	4.87	54.5	6.50	54.6	6.10	54.7	6.11	54.8	6.12	54.9	6.12	55.0	6.13		
110	44.8	5.22	47.0	5.32	47.1	5.33	47.2	5.34	47.3	5.34	47.3	5.35	47.4	5.36		
115	37.4	4.34	37.6	4.35	37.7	4.36	37.8	4.37	37.9	4.37	37.9	4.38	38.0	4.39		
118	31.8	3.76	31.9	3.77	32.0	3.78	32.1	3.79	32.2	3.79	32.3	3.80	32.4	3.81		
122	24.2	2.98	24.4	2.99	24.5	3.00	24.6	3.01	24.7	3.02	24.7	3.02	24.8	3.03		

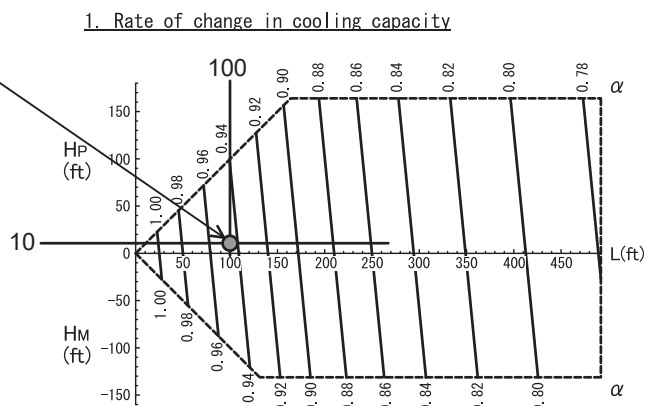
Connection ratio	120%	125%	130%
Cooling capacity	62.6	(B)	63.7

$$(B) = 62.6 + (63.7 - 62.6) \times (125 - 120) / (130 - 120)$$

$$= 63.2$$

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

$$(K1) = 0.94$$



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

$$(K2) = 1 + (\text{heat loss factor per feet of piping} \times (\text{equivalent piping length} - 25 \text{ ft.})) / 100$$

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

$$(R) \text{ Heat loss factor per feet} = 0.072^{+2} + (0.098^{+1} - 0.072^{+2}) \times (93^{+3} - 86^{+4}) / (95^{+5} - 86^{+4}) = 0.0922$$

Using "Equivalent piping length = 100 ft." and "Heat loss factor per feet = 0.0922",

$$(K2) = 1 + (0.0922 \times (100 - 25)) / 100 = 1.07$$

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

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

-Calculate the corrected capacity of RXTQ60TBVJUB (C) by using (K1) and (K2).

Corrected capacity of RXTQ60TBVJUB (C) = (B) × (K1) / (K2) (add defrost correction factor for heating capacity)

$$\text{Therefore (C)} = 63.2 \times 0.94 / 1.07 = 55.5 \text{ MBH}$$

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, 55.5 MBH (C) > 49.8 MBH (A), so there is no need to select a larger outdoor unit.

18. Caution Label

18.1 RXTQ36 - 60TBVJUB

Service precautions

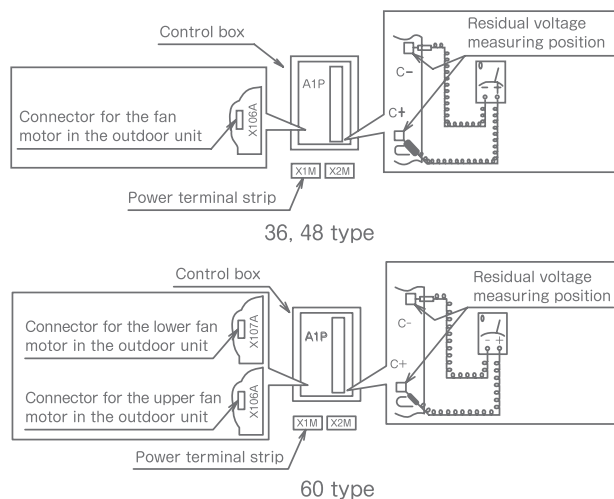

Warning

Caution to electric shock

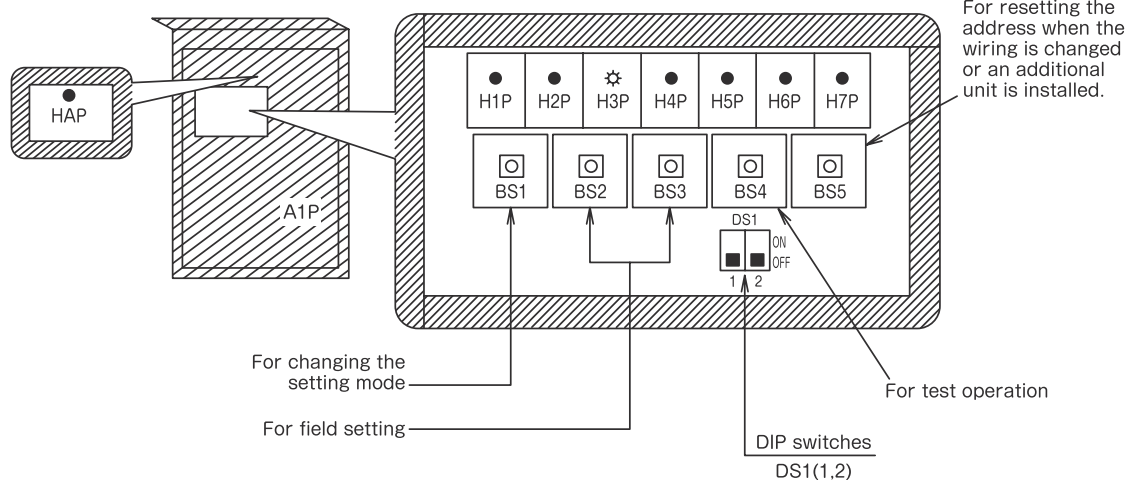
◎ Precautions for servicing control box

- Before service inspection, be sure to measure the power supply terminal (X1M) with a multimeter and confirm the power supply is turned off.
- Be careful not to touch the high-temperature components.
There is a possibility that each component within the control box can generate high temperature.
- Be careful not to touch the live parts.
Do not touch the live parts before making sure the residual voltage is less of 50V.
 - After turning off the power supply, leave the units unused for 10 minutes.
 - To prevent a damage of the PC board, always touch the ground terminal with your hands to discharge the static electricity on your body.
 - Do not touch the live parts. Measure the residual voltage of the measuring position using the multimeter.
 - After confirming the residual voltage, pull out the connector for the fan motor in the outdoor unit immediately.
(If the fan in the outdoor unit rotates by strong headwinds, it may cause storage of electricity in the capacitor and electric shock.)

※ After completing service work, plug in the connector for the fan motor in the outdoor unit, then restore the insulating film to its state as delivered.



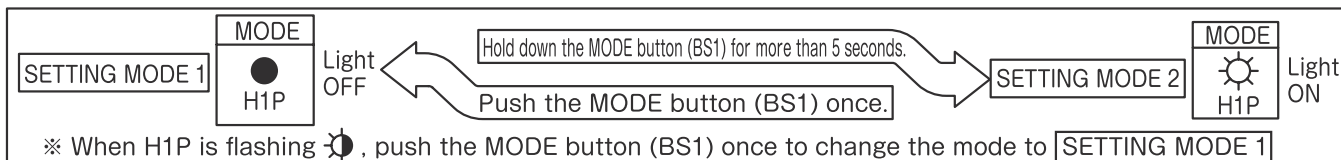
LED display ● : Light OFF ☀ : Light ON ⚡ : Flashing ✱ : Light ON or Light OFF



⚠ While performing check and other operations, do not uncover the insulating film or remove the P board protective cover to avoid electric shock and injury!

Changing the setting mode

The setting mode can be changed by the MODE button (BS1) according to the following procedure.

**Caution**

For selecting low noise operation by an outside order, demand operation and operation mode setting with a Cool/Heat central remote controller, the external control adapter for outdoor unit (optional accessory) is required. For details, see the instruction attached to the adapter.

Make settings in the SETTING MODE 2 (H1P: Light ON)

Settings of the following items ① ~ ⑥ can be carried out.

Settings of the following items (A) ~ (F) can be carried out:			Example of LED display and its position							
Setting procedure	Details of setting		H1P	H2P	H3P	H4P	H5P	H6P	H7P	
① Push the SET button (BS2) and adjust the LED display to the example shown on the right according to the required setting (A) ~ (F).	(A)	Additional refrigerant charging operation setting	☀	●	☀	●	☀	●	☀	
	(B)	Refrigerant recovery/Evacuation mode setting	☀	●	☀	●	☀	●	☀	
	(C)	Night-time automatic low noise setting	☀	●	☀	●	☀	●	☀	
	(D)	External low noise standard setting	☀	●	☀	☀	●	☀	☀	
	(E)	Demand standard setting	☀	●	☀	☀	☀	☀	●	
	(F)	External low noise demand setting	☀	●	●	☀	☀	●	☀	
② Push the RETURN button (BS3) to indicate the present setting. (Refer to ③)										
③ Setting values For (A) (B) (F) -- ON and OFF For (C) -- OFF, Level 1~3 For (D) (E) -- Level 1~3 Push the SET button (BS2) and adjust the LED display to the example shown on the right according to the above required setting. ※ For (C) and (D), operation noise: Level 1 > Level 2 > Level 3 For (E), power consumption: Level 1 < Level 2 < Level 3 (See the service manual for details.)	(A) (B)	ON	☀	●	●	●	●	●	☀	
		(F)	OFF (Factory setting)	☀	●	●	●	●	●	☀
	(C)	OFF (Factory setting)	☀	●	●	●	●	●	●	☀
		Level 1	☀	●	●	●	●	●	☀	●
		Level 2	☀	●	●	●	●	●	☀	●
		Level 3	☀	●	●	●	●	●	☀	●
	(D) (E)	Level 1	☀	●	●	●	●	●	●	☀
		Level 2 (Factory setting)	☀	●	●	●	●	●	☀	●
		Level 3	☀	●	●	●	●	☀	●	●
	④ Push the RETURN button (BS3) to define the setting. (Light ON instead of flashing for H1P.)									
⑤ Push the RETURN button (BS3) again to start the operation according to the setting.			☀	●	●	●	●	●	●	

※ For settings other than the above, see the service manual.

Confirmation of setting items

The following items can be confirmed in the SETTING MODE 1.

Confirming items	Example of LED display		Example of LED display and its position						
			H1P	H2P	H3P	H4P	H5P	H6P	H7P
The present operating state	● :Normal	☀ :Abnormal	☀	●	☀	●	●	●	●
Low noise operating state	● :Under normal operation (factory setting)	☀ :Under low noise operation	●	●	☀	●	●	☀	●
Demand operating state	● :Under normal operation (factory setting)	☀ :Under demand operation	●	●	☀	●	●	●	☀

Precautions for test operation

※ After the power supply is turned on, do not operate the air conditioner before the UNDER PREPARATION (H2P) indicator is OFF (maximum for 12 minutes).

- Check the stop valves. Make sure to completely open the stop valve on the gas side and the stop valve on the liquid side.
- Make sure to carry out test operation after the first installation. Otherwise, the error code "U3" will be displayed and normal operation cannot be carried out.
- ① To protect the compressor, make sure to turn on the power supply for 6 hours before starting operation.
- ② Enter the **SETTING MODE 1** (H1P: Light OFF).
- ③ In the stopped status, hold down the TEST button (BS4) for more than 5 seconds to start test operation.

(H2P will flash up and "Test Operation" and **CENTRAL CONTROL** will be displayed in the remote controller.
It may take about 10 minutes to bring the state of refrigerant stable before the compressor starts, but this is not malfunction.)

Test operation is automatically carried out in the cooling mode.

(※ The refrigerant running sound or the magnetic sound of a solenoid valve may become loud during this operation.)
Following items can be automatically checked.

- Incorrect wiring checking
- Unopened stop valve checking
- Piping length auto determination

To discontinue the operation, push the RETURN button (BS3). The system will stop after operation for 30 seconds around.

(During the test operation, it is impossible to stop the unit from the remote controller.)

- ④ Close the front panel.
- ⑤ The system will stop automatically after running 30 minutes around (maximum 1 hour). Check the operation results by the outdoor unit LED display.

<See the table shown below>

	H1P	H2P	H3P	H4P	H5P	H6P	H7P
Normal	●	●	☀	●	●	●	●
Abnormal	●	☀	☀	●	●	●	●

< Caution >

- Do not simply check the abnormality of one indoor unit. After the operation is finished, start the normal operation from the remote controller and check.
- The LED display will change during this operation, but this is not malfunction.
- To prevent electric shock during this operation, install the front panel firmly.

[Measures for abnormal finish]

1. Confirm the error code by the remote controller.
2. Correct the abnormality. (See the installation manual, operation manual or service manual, or contact your dealer.)
3. After correcting the abnormality, push the RETURN button (BS3) to reset the error code.
4. Carry out the test operation again and confirm the abnormality is properly corrected.

※ If there is no error code displayed in the remote controller, the system will carry out normal operation after about 5 minutes.

Precautions to service mode operation

※ After turning on the power supply, the unit can not start service mode until H2P goes off (maximum for 12 minutes around).

• **For internal evacuation** (At the first installation, this internal evacuation is not required. It is only required for service.)

- ① When the unit is at standstill, set ㊦ Refrigerant recovery/Evacuation mode to ON in the **SETTING MODE 2**.
(After the setting is defined, do not reset the **SETTING MODE 2** until the evacuation is completed.)
(If "Test Operation" and **CENTRAL CONTROL** are displayed in the remote controller, the operation will be rejected.)
- ② Evacuate the system with a vacuum pump.
- ③ Push the MODE button (BS1) to reset the **SETTING MODE 2**.

• **For refrigerant recovery by refrigerant reclaimer**

- ① When the unit is at standstill, set ㊦ Refrigerant recovery/Evacuation mode to ON in the **SETTING MODE 2**.
(The expansion valves in the indoor and outdoor units will be opened completely. Some of the solenoid valves are ON.)
(If "Test Operation" and **CENTRAL CONTROL** are displayed in the remote controller, the operation will be rejected.)
- ② Recover the refrigerant by a refrigerant reclaimer in accordance with the local laws and regulations.
- ③ Push the MODE button (BS1) to reset the **SETTING MODE 2**.

Caution

Do not shut off the power supply of the outdoor unit when recovering the refrigerant.
(Otherwise, the solenoid valves will be closed and the refrigerant of the outdoor unit can not be recovered.)

Precautions for charging additional refrigerant

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

- ① Turn on the power supply of the indoor unit and outdoor unit.
- ② Completely open the stop valve on the gas side and the stop valve on the liquid side.
- ③ Connect the charge hose to the service port (gas stop valve).
- ④ When the unit is at standstill and under the **SETTING MODE 2** (H1P: Light ON), set ㊦ "Additional refrigerant charging mode" to "ON".
- ⑤ The operation is automatically started. (H2P flickers, and "Test Operation" and **CENTRAL CONTROL** are displayed in the remote controller.)
- ⑥ After charging the specified quantity of refrigerant, push the RETURN button (BS3) to stop the operation.

(The operation is stopped within 30 minutes around.

If refrigerant charging is not completed within 30 minutes, set ㊦ "Additional refrigerant charging mode" to ON and perform this operation again.

If this operation is stopped soon after restarting, the refrigerant may be overcharged. Stop charging extra refrigerant.

- ⑦ Disconnect the refrigerant charge hose.

1. Record of setting details

After performing settings to ㉓ ~ ㉕ in the **SETTING MODE 2**, make a record by marking ○ in the table below.

㉓ Night-time automatic low noise setting				㉔ External low noise standard setting			㉕ Demand standard setting		
OFF	Level 1	Level 2	Level 3	Level 1	Level 2	Level 3	Level 1	Level 2	Level 3

(Be sure to fill in the table by the after-sales service staff.)

2. Record of additional refrigerant charging amount

Calculate the refrigerant charging amount based on the following formula. Refer to installation manual for more details.

Additional charging amount	=	$\left(\text{Total length(ft.) of liquid piping size at } \varnothing 3/8'' \right) \times 0.036$	+	$\left(\text{Total length(ft.) of liquid piping size at } \varnothing 1/4'' \right) \times 0.015$	-	Refrigerant adjustment by connected indoor unit type (FXSQ or FXMQ)
lbs		lbs		lbs		lbs

3. Record of indoor unit model name and installation location

No.	1	2	3	4	5	6	7	8	9
Model name									
Installation location									

2P736779-1A

19. Caution for Refrigerant Leaks

19.1 Introduction

Points to note in connection with refrigerant leaks

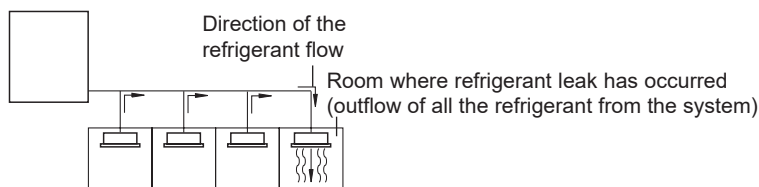
The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

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

Maximum concentration level

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

The unit of measurement of the concentration is lb./1000 ft.^3 (the weight in lbs. of the refrigerant gas in 1 ft.^3 volume of the occupied space). Compliance to the local applicable regulations and standards for the maximum allowable concentration level is required.



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

19.2 Procedure for Checking Maximum Concentration

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

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

Amount of refrigerant in a single unit
system (amount of refrigerant with
which the system is charged before
leaving the factory)

+

Additional charging amount (amount
of refrigerant added locally in
accordance with the length or diameter
of the refrigerant piping)

=

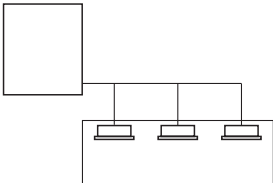
Total amount of refrigerant (lbs.)
in the system

 **Note:**

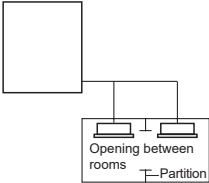
Where a single refrigerant facility is divided into 2 entirely independent refrigerant systems then use the amount of refrigerant with which each separate system is charged.

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

In case like the following, calculate the volume of (a), (b) as a single room or as the smallest room.
(a) Where there are no smaller room divisions.

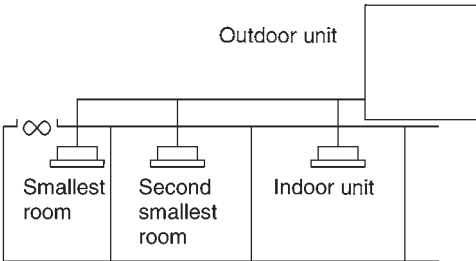


(b) Where there is a room division but there is an opening between the rooms sufficiently large to permit a free flow of air back and forth.



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

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



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

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

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

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

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

Please consult your Daikin supplier.

20. Safety Devices Setting

20.1 FXFQ-AA

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

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

C: 4D140940

20.2 FXZQ-TB

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

C: 4D137360

20.3 FXUQ-PA

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

C: 3D133254

20.4 FXEQ-P

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

C: 4D098709

20.5 FXDQ-M

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

C: 3D051758

20.6 FXSQ-TB

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

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

C: 3D140708

20.7 FXMQ-TB

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

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

C: 3D140811

20.8 FXHQ-M

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

C: 3D049334A

20.9 FXAQ-P

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

C: 4D047085D

20.10 FXLQ-M, FXNQ-M

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

C: 3D045646B

20.11 FXTQ-TB

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

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

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1. Introduction

1.1 ED Book List

Design Manual RXTQ-TBVJUB **EDUS332355-D**
(This booklet)

Capacity Table Book

Heat Pump RXTQ-TBVJUB **EDUS332355-C**

Installation

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

Indoor Units

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

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

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

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

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

MSP Concealed Ducted Unit FXSQ-TB **EDUS392235-F17**

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

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

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

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

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

Air Treatment Equipment

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

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

Controls **EDUS721909A-T**

Remote Controller

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

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

Refrigerant	Category	Product series	Type	Volts	Model name	Area	Book category	Book No.	Published in
R410A	Air cooled	VRV EMERION	H/R	208/230 V 460 V	REYQ-AATJA, AAYDA	USA Canada	Design manual	EDUS372119A-D	Jun.2022
						Capacity table	EDUS372119A-C		
			H/P	208/230 V 460 V	RXYQ-AATJA, AAYDA	USA Canada	Design manual	EDUS342305-D	Mar.2023
						Capacity table	EDUS342305-C	Apr.2023	
		VRV IV-X	H/R	208/230 V 460 V 575 V	REYQ-XATJA, XAYDA, XAYCA	USA Canada	Design manual	EDUS371848D-D	Apr.2022
							Capacity table	EDUS371848B-C	Mar.2022
			H/P	208/230 V 460 V 575 V	RXYQ-XATJA, XAYDA	USA Canada Canada	Design manual	EDUS341923A-D	Oct.2020
							Capacity table	EDUS341923-C	Nov.2019
							Design manual	EDUS341928A-D	Oct.2020
							Capacity table	EDUS341928-C	Nov.2019
		VRV IV	H/R	208/230 V 460 V 575 V	REYQ-TATJA, TAYDA	USA Canada Canada	Design manual	EDUS371704C-D	Feb.2020
							Capacity table	EDUS371704C-C	
			H/P	208/230 V 460 V 575 V	RXYQ-TATJA, TAYDA	USA Canada Canada	Design manual	EDUS371706C-D	
							Capacity table	EDUS371706C-C	
							Design manual	EDUS341703B-D	Jan.2020
							Capacity table	EDUS341703B-C	
	VRV Aurora	H/R	208/230 V 460 V 575 V	RELQ-TATJA, TAYDA, TAYCA	USA Canada	Design manual	EDUS371705E-D	Mar.2022	
						Capacity table	EDUS371705C-C	Feb.2020	
		H/P	208/230 V 460 V 575 V	RXLQ-TATJA, TAYDA, TAYCA	USA Canada	Design manual	EDUS341819A-D	Jan.2020	
						Capacity table	EDUS341819A-C		
VRV IV-S		H/P	208/230 V	RXTQ-TBVJUB	USA Canada	Design manual	EDUS332355-D	Oct.2023	
						Capacity table	EDUS332355-C		
VRV LIFE	H/P	208/230 V	RXSQ-TBVJUB	USA Canada	Design manual	EDUS332356-D	Oct.2023		
					Capacity table	EDUS332356-C			
Installation for all VRV air cooled type							Installation	EDUS371848A-N	Dec.2021
Water cooled	VRV-W	H/P H/R	208/230 V 460 V 575 V	RWEQ-TATJU, TAYDU, TAYCU RWEQ-TATJA, TAYDA	USA Canada	Design manual	EDUS301864C-D	Mar.2022	
						Capacity table	EDUS301864A-C	Jan.2020	
		Installation for all VRV water cooled type						Installation	EDUS301864-N

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

Indoor Unit and Other Products

Refrigerant	Product category	Product type	Model name	Area	Book No.	Published in
R410A	VRV Indoor units	Ceiling Mounted Cassette Type (Round Flow with Sensing)	FXFQ07-54AAVJU	USA	EDUS392234-F14	Oct.2023
		VISTA™ 2 x 2 Cassette Unit	FXZQ05-18TBVJU	USA	EDUS392209-F9	Feb.2022
		4-Way Blow Ceiling- Suspended Type	FXUQ18-36PAVJU	USA	EDUS392109-F15	Jul.2021
		One Way Blow Cassette Type	FXEQ07-24PVJU	USA	EDUS391533A-F16	Jan.2021
		Slim Ceiling Mounted Duct Type	FXDQ07-24MVJU	USA	EDUS39-600B-F2	Jun.2023
		MSP Concealed Ducted Unit	FXSQ05-54TBVJU	USA	EDUS392235-F17	Oct.2022
		HSP Concealed Ducted Unit	FXMQ15-54TBVJU	USA	EDUS392236-F4	Oct.2022
		Ceiling Mounted Duct Type	FXMQ72/96MVJU	USA	EDUS39-900B-F11	Mar.2021
		Ceiling Suspended Type	FXHQ12-36MVJU	USA	EDUS39-600A-F5	Mar.2021
		Wall Mounted Type	FXAQ07-24PVJU	USA	EDUS391100A-F6	Jan.2021
		Floor Standing Type Concealed Floor Standing Type	FXLQ07-24MVJU FXNQ07-24MVJU	USA	EDUS391502A-F7	Jan.2021
		Low-temperature hydrobox	HXY48TAVJU	USA	EDUS392021A-F18	Mar.2023
		AHU Integration Kit—Re-Heat	EKEQDCBAV3-US	USA	EDUS392125-F19	Mar.2022
		Cased Coil Unit	CXTQ24-60TASBLU	USA	Engineering Data CXTQ-TA	—
		Air Handling Unit	FXTQ09-60TBVJUA FXTQ09-60TBVJUD	USA	Engineering Data FXTQ-TB	Mar.2024
		Outdoor Air Processing Unit	FXMQ48-96MFVJU	USA	EDUS39-900B-F10	Mar.2021
		Branch Selector Unit	BSQ-TAVJ BSF-Q54TVJ BS-Q54TAVJ	USA	EDUS392110-B	Jun.2021
		Controls and networks	Control systems Control devices Adaptors	Please refer to ED Book with No. on the right for applicable models.	USA	EDUS721909A-T
	Navigation remote controller		BRC1E73	USA	EDUS721438	Apr.2015
	intelligent Touch Manager		DCM601A71, DCM601A72	USA	EDUS721212A	Mar.2022
	intelligent Touch Controller		DCS601C71	USA	EDUS72-608	Dec.2006
	Interface for use in BACnet®		DMS502B71	USA	EDUS72-749	Oct.2007
Option for all type			Please refer to ED Book with No. on the right for applicable models.	USA	OHUS07-1	Nov.2007
Energy Recovery Ventilator (VAM)			VAM300-1200GVJU	USA	EDUS711116B	Dec.2020

Warning

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

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

Cautions on product corrosion

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