

TECHNICAL DATA

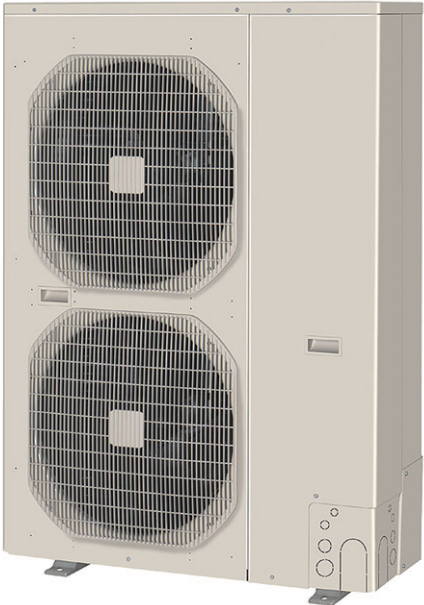
Mini VRF System



Model No.
Outdoor Unit

Class	4HP	5HP	6HP
Model Name	U-4LE1E5 U-4LE1E8	U-5LE1E5 U-5LE1E8	U-6LE1E5 U-6LE1E8

HP = horsepower



Check of Density Limit

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.

The refrigerant (R410A), which is used in the air conditioner, is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws imposed to protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its density should rise excessively. Suffocation from leakage of refrigerant is almost non-existent. With the recent increase in the number of high density buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power, etc.

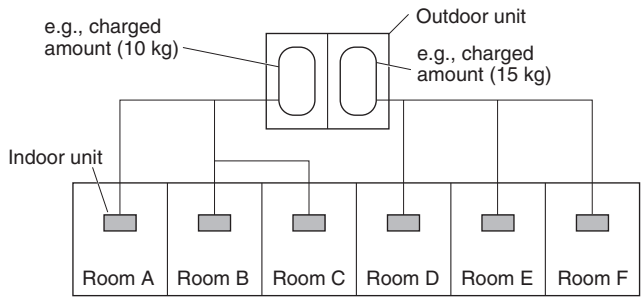
Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared to conventional individual air conditioners. If a single unit of the multi air conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its density does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

In a room where the density may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device. The density is as given below.

Total amount of refrigerant (kg)
Min. volume of the indoor unit installed room (m³) ≤ Density limit (kg/m³)
The density limit of refrigerant which is used in multi air conditioners is 0.3 kg/m³ (ISO 5149).

NOTE

- If there are 2 or more refrigerating systems in a single refrigerating device, the amount of refrigerant should be as charged in each independent device.
For the amount of charge in this example:

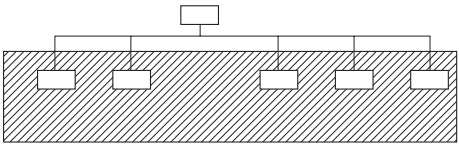


The possible amount of leaked refrigerant gas in rooms A, B and C is 10 kg.
The possible amount of leaked refrigerant gas in rooms D, E and F is 15 kg.

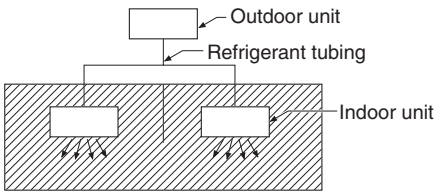
RoHS
· This product does not contain any hazardous substances prohibited by the RoHS Directive.

WARNING
· You are requested to use RoHS compliant parts for maintenance or repair.

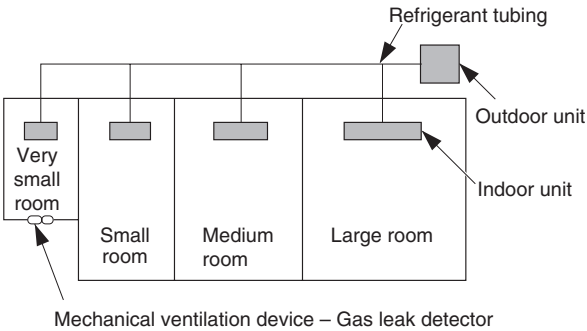
- The standards for minimum room volume are as follows.
(1) No partition (shaded portion)



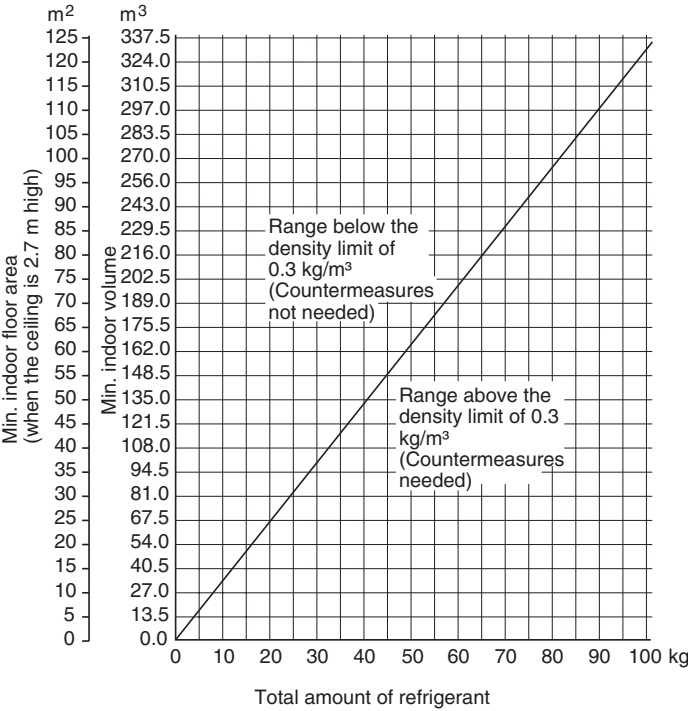
- When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



- If an indoor unit is installed in each partitioned room and the refrigerant tubing is interconnected, the smallest room of course becomes the object. But when mechanical ventilation is installed interlocked with a gas leakage detector in the smallest room where the density limit is exceeded, the volume of the next smallest room becomes the object.

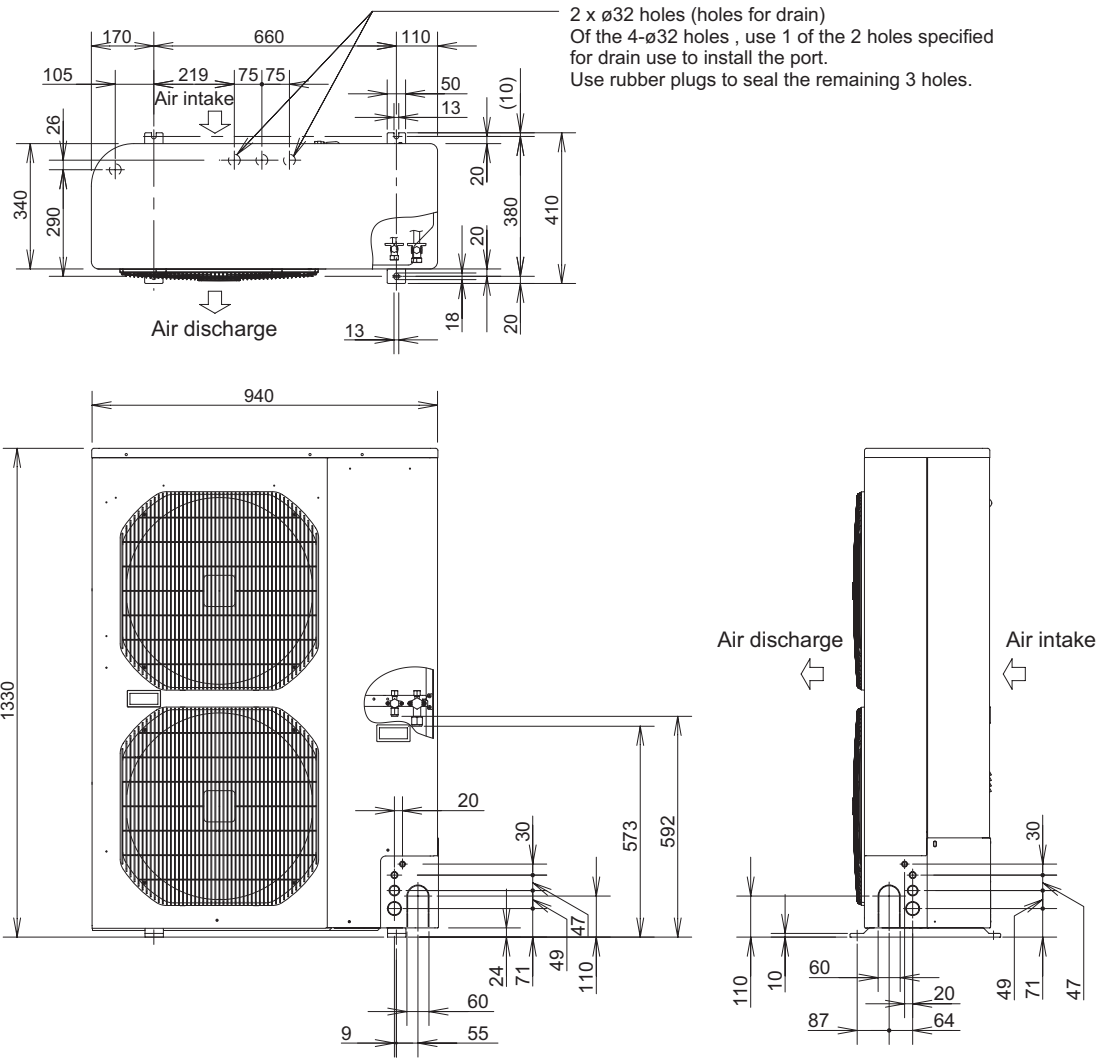


- The minimum indoor floor space compared with the amount of refrigerant is roughly as follows: (When the ceiling is 2.7 m high)



1. Line-up

Outdoor units

Type	DC inverter unit		
	U-4LE1E5, U-4LE1E8	U-5LE1E5, U-5LE1E8	U-6LE1E5, U-6LE1E8
Capacity: kW (BTU/h)	12.1 (41,300)	14.0 (47,800)	15.5 (52,900)
Cooling / Heating	/ 12.5 (42,700)	/ 16.0 (54,600)	/ 18.0 (61,400)
Outdoor Unit	Unit: mm  2 x $\phi 32$ holes (holes for drain) Of the 4-$\phi 32$ holes, use 1 of the 2 holes specified for drain use to install the port. Use rubber plugs to seal the remaining 3 holes.		

2. MARKINGS FOR DIRECTIVE 97/23/EC (PED)

Rating nameplate figure








Multi Type Air Conditioner
Кондиционер Мульти-Сплит Система
Кондиціонер Мульти-спліт система

Model No. A : Model Name Various

Клас захи́сти I

POWER SOURCE : B : Various

MAX ELECTRIC INPUT C : kW A Various

TIME DELAY FUSE MAX SIZE : D : A Various

UNIT PROTECTION : IPX4

Operating Spec. Area
Various (Not for the PED)

MAX.WORKING PRESSURE : HIGH SIDE E : MPa Various
LOW SIDE F : MPa Various

REFRIGERANT: R410A G : kg Various

NET WEIGHT : Various (Not for the PED)

SERIAL NO. : Various PROD. DATE : MM-YYYY
Серийный номер. : ----- Дата производства : MM-YYYY
Серійний номер. : Дата виготовлення :

THE CAPACITY, CURRENT AND POWER INPUT ARE FOR THIS UNIT CONNECTED TO THE FOLLOWING INDOOR UNITS.
ПРОИЗВОДИТЕЛЬНОСТЬ, ТОК И ПОТРЕБЛЯЕМАЯ МОЩНОСТЬ ДАННОГО БЛОКА ПРИ ЕГО ПОДКЛЮЧЕНИИ К СЛЕДУЮЩИМ ВНУТРЕННИМ БЛОКАМ.
ПРОДУКТИВНІСТЬ, СТРУМ ТА СПОЖИВАНА ПОТУЖНІСТЬ ДАНОГО БЛОКУ ПРИ ЙОГО ПІДКЛЮЧЕННІ ДО НАСТУПНИХ ВНУТРІШНІХ БЛОКІВ.

4-Way Cassette, 56 type × 2 /4-сторонняя кассета, 56 тип × 2 /4-стороння касета, 56 тип × 2

FOR OTHER COMBINATIONS, REFER TO MANUAL.
ИНФОРМАЦИЮ ПО ДРУГИМ КОМБИНАЦИЯМ СМОТРИТЕ В ИНСТРУКЦИИ.
ЗА ІНФОРМАЦІЄЮ СТОСОВНО ІНШИХ КОМБІНАЦІЙ ЗВЕРТАЙТЕСЯ ДО ІНСТРУКЦІЇ.

Authorized representative in EU
Panasonic Testing Centre

Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

Panasonic Corporation
1006 Kadoma, Kadoma City Osaka, Japan

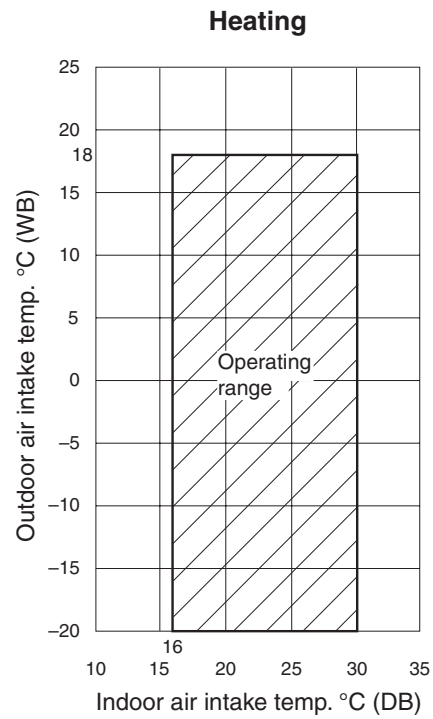
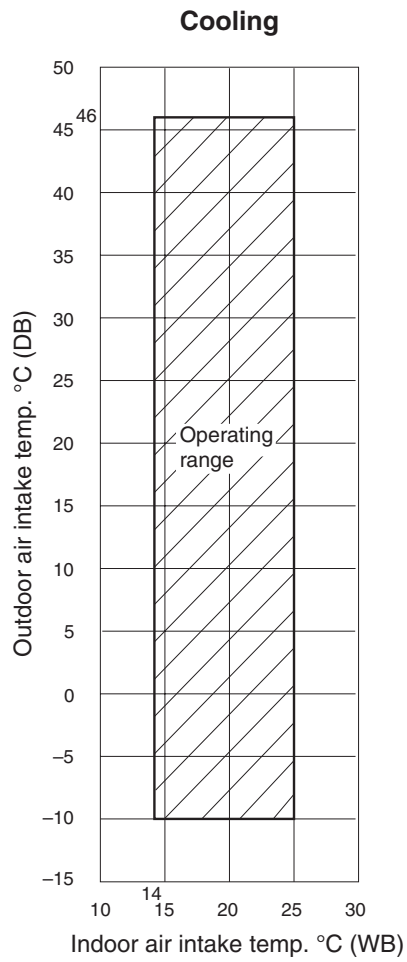
Made in China
Сделано в Китае
Вироблено в Китаї
Fabricado en China

Tabulation of Various data

A	U-4LE1E5	U-5LE1E5	U-6LE1E5	U-4LE1E8	U-5LE1E8	U-6LE1E8
B	220 ~ 240 V, Single phase, 50 Hz			380 / 400 / 415 V 3N ~ 50 Hz		
C	4.84 kW, 21.0 A	5.64 kW, 24.5 A	6.45 kW, 28.0 A	5.62 kW, 8.5 A	6.61 kW, 10.0 A	7.94 kW, 12.0 A
D	25 A	35 A	35 A	20 A	20 A	20 A
E	3.80 MPa			3.80 MPa		
F	2.70 MPa			2.70 MPa		
G	3.5 kg			3.5 kg		

1. Model Selecting and Capacity Calculator

1-1. Operating Range



3. Electrical Wiring

3-1. General Precautions on Wiring

- (1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.
- (2) Provide a power outlet to be used exclusively for each unit, and a power supply disconnect, circuit breaker and earth leakage breaker for overcurrent protection should be provided in the exclusive line.
- (3) To prevent possible hazards from insulation failure, the unit must be grounded.
- (4) Each wiring connection must be done in accordance with the wiring system diagram. Wrong wiring may cause the unit to disorder or become damaged.
- (5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.
- (6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.
- (7) Regulations on wire diameters differ from locality to locality. For field wiring rules, please refer to your LOCAL ELECTRICAL CODES before beginning.

You must ensure that installation complies with all relevant rules and regulations.

- (8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows:
 - The remote control wiring and the inter-unit control wiring should be wired apart from the inter-unit power wiring.
 - Use shielded wires for inter-unit control wiring between units and ground the shield on both sides.
- (9) If the power supply cord of this appliance is damaged, it must be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

3-2. Recommended Wire Length and Wire Diameter for Power Supply System

Outdoor unit

(Single-phase)

	(A) Power supply		Time delay capacity	
	Wire size	Max. length	Fuse	Circuit breaker
U-4LE1E5	4 mm ²	21 m	25 A	30 A
U-5LE1E5	6 mm ²	24 m	35 A	40 A
U-6LE1E5	6 mm ²	20 m	35 A	40 A

(3-phase)

	(A) Power supply		Time delay capacity	
	Wire size	Max. length	Fuse	Circuit breaker
U-4LE1E8	2.5 mm ²	58 m	20 A	20 A
U-5LE1E8	2.5 mm ²	49 m	20 A	20 A
U-6LE1E8	2.5 mm ²	41 m	20 A	20 A

Indoor unit

Type	(B) Power supply	Time delay fuse or circuit capacity
	2.5 mm ²	
K1	Max. 150 m	10 – 16 A
D1, L1, U1, Y1, T1, F1, M1, P1, R1	Max. 130 m	10 – 16 A
E1	Max. 60 m	10 – 16 A

Control wiring

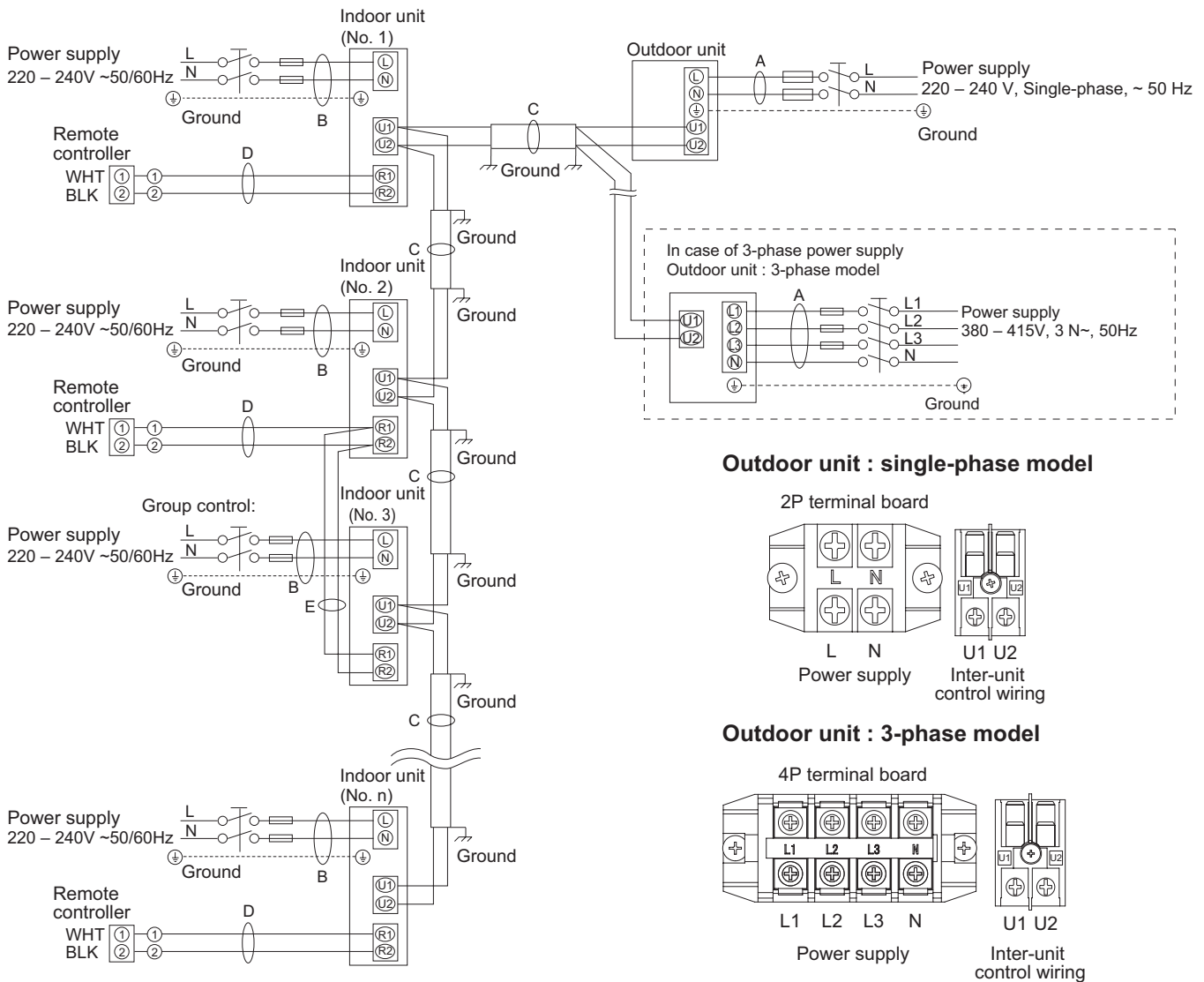
(C) Inter-unit (between outdoor and indoor units) control wiring
0.75 mm ² (AWG #18) Use shielded wiring*
Max. 1,000 m

NOTE * With ring-type wire terminal.

(D) Remote control wiring	(E) Control wiring for group control
0.75 mm ² (AWG #18)	0.75 mm ² (AWG #18)
Max. 500 m	Max. 200 m (Total)

3. Electrical Wiring

3-3. Wiring System Diagrams



NOTE

- (1) Refer to Section 3-2. "Recommended Wire Length and Wire Diameter for Power Supply System" for the explanation of "A", "B", "C", "D" and "E" in the above diagrams.
- (2) The basic connection diagram of the indoor unit shows the 7P terminal board, so the terminal boards in your equipment may differ from the diagram.
- (3) Refrigerant Circuit (R.C.) address should be set before turning the power on.
- (4) Regarding the R.C. address setting, refer to Section 5. Address setting can be executed by remote controller automatically.

U1, Y1, M1, P1, R1 Types

K1 Type

Fig. 2-1

3. Electrical Wiring



CAUTION

- (1) When linking outdoor units in a network, disconnect the terminal extended from the short plug (CN-TERMINAL, 2P Black, location: right bottom on the outdoor main control PCB) from all outdoor units except any one of the outdoor units.
(When shipping: In shorted condition.)

For a system without link (no connection wiring between outdoor units), do not remove the short plug.

- (2) Do not install the inter-unit control wiring in a way that forms a loop. (Fig. 2-2)

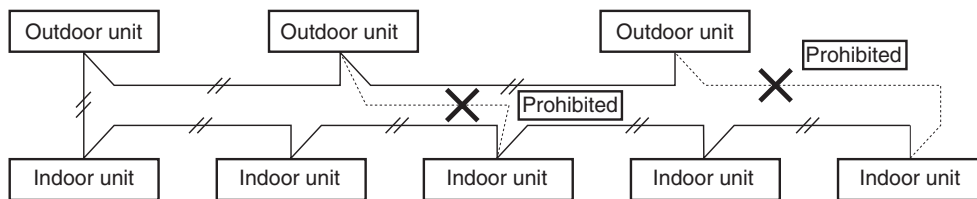


Fig. 2-2

- (3) Do not install inter-unit control wiring such as star branch wiring. Star branch wiring causes mis-address setting.

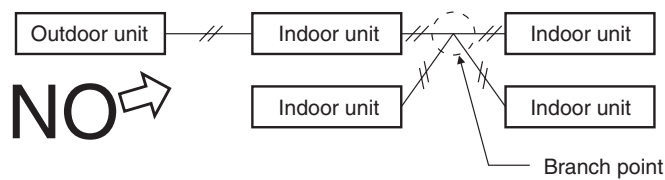


Fig. 2-3

- (4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer.
(Branches less than 1 m are not included in the total branch number.) (Fig. 2-4)

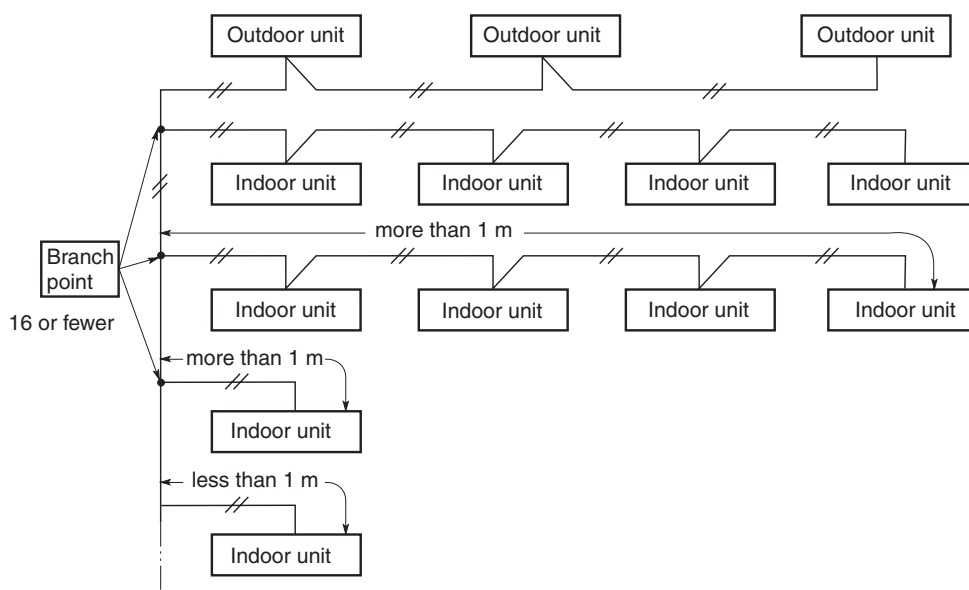


Fig. 2-4

3. Electrical Wiring

(5) Use shielded wires for inter-unit control wiring (c) and ground the shield on both sides, otherwise misoperation from noise may occur. (Fig. 2-5)
Connect wiring as shown in Section “3-3. Wiring System Diagram.”

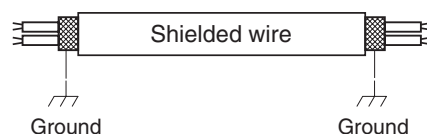


Fig. 2-5

(6) Use the standard power supply cables for Europe (such as H05RN-F or H07RN-F which conform to CENELEC (HAR) rating specifications) or use the cables based on IEC standard. (code designation, 60245 IEC 57, 60245 IEC 66)



WARNING

Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Therefore, ensure that all wiring is tightly connected.

When connecting each power wire to the terminal, follow the instructions on “How to connect wiring to the terminal” and fasten the wire securely with the fixing screw of the terminal plate.

How to connect wiring to the terminal

■ For stranded wiring

- (1) Cut the wire end with cutting pliers, then strip the insulation to expose the stranded wiring about 10 mm and tightly twist the wire ends. (Fig. 2-6)
- (2) Using a Phillips head screwdriver, remove the terminal screw(s) on the terminal plate.
- (3) Using a ring connector fastener or pliers, securely clamp each stripped wire end with a ring pressure terminal.
- (4) Place the ring pressure terminal, and replace and tighten the removed terminal screw using a screwdriver. (Fig. 2-7)

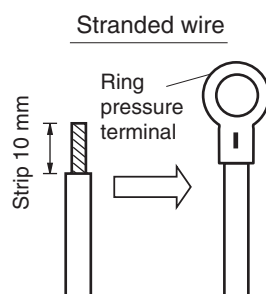


Fig. 2-6

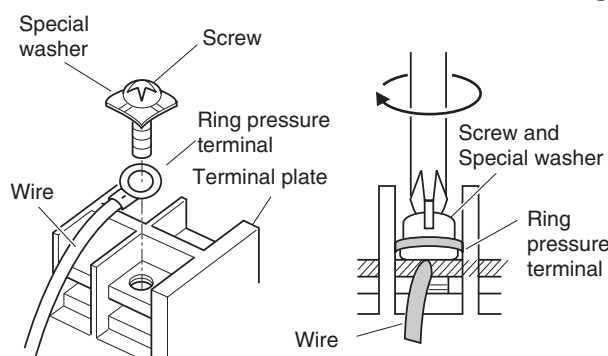


Fig. 2-7

■ Examples of shield wires

- (1) Remove cable coat not to scratch braided shield. (Fig. 2-8)
- (2) Unbraid the braided shield carefully and twist the unbraided shield wires tightly together. Insulate the shield wires by covering them with an insulation tube or wrapping insulation tape around them. (Fig. 2-9)
- (3) Remove coat of signal wire. (Fig. 2-10)
- (4) Attach ring pressure terminals to the signal wires and the shield wires insulated in Step (2). (Fig. 2-11)



Fig. 2-8

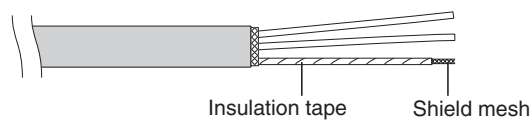


Fig. 2-9

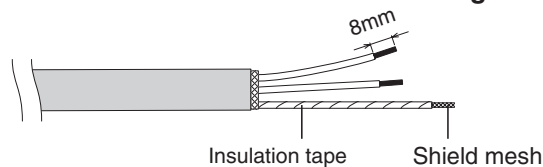


Fig. 2-10

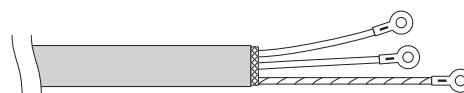


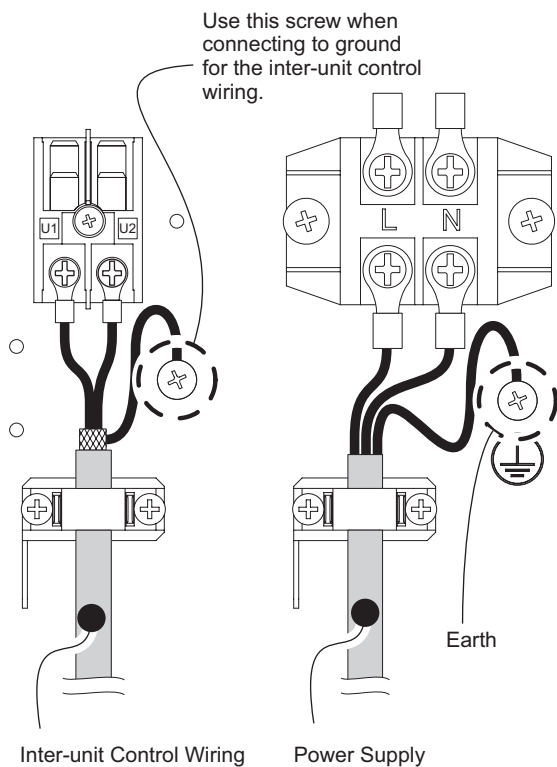
Fig. 2-11

3. Electrical Wiring

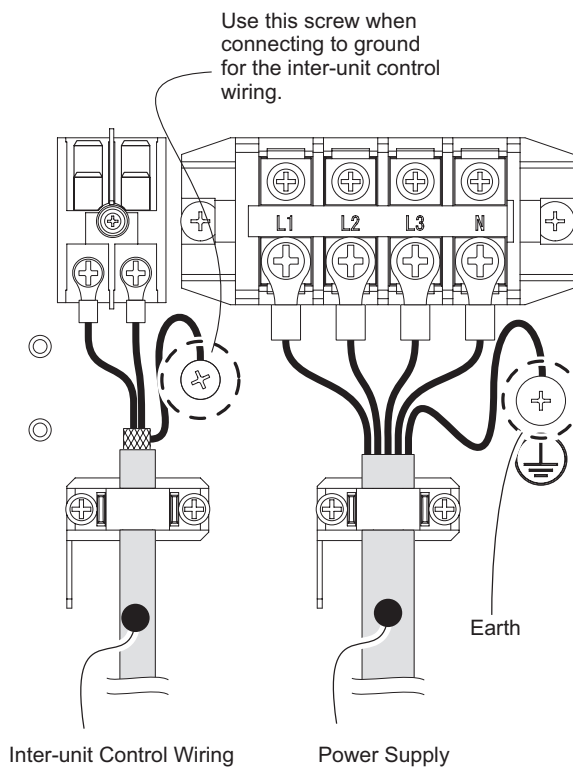
■ Wiring sample

Outdoor Unit : Mini VRF

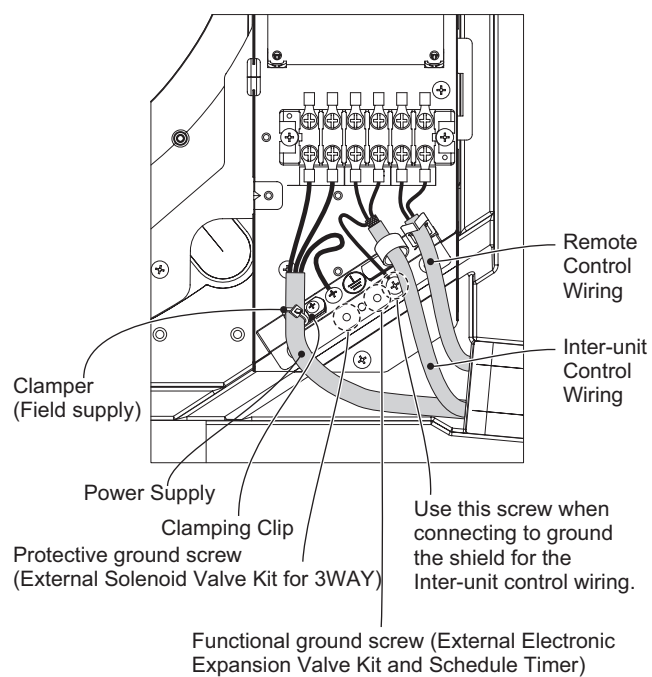
For single-phase : U-4LE1E5, U-5LE1E5, U-6LE1E5



For 3-phase : U-4LE1E8, U-5LE1E8, U-6LE1E8

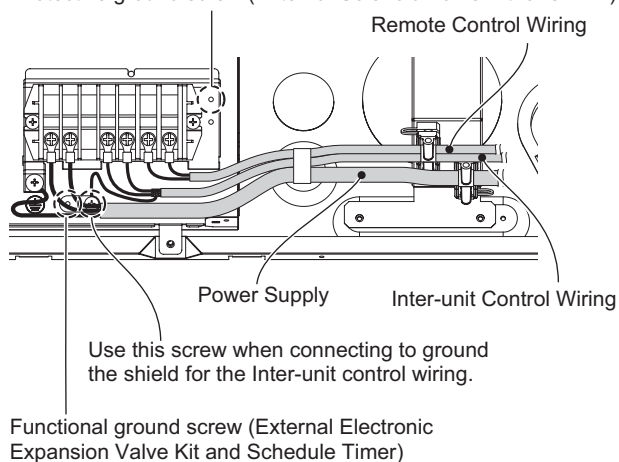


Indoor Unit : U1 Type



Indoor Unit : T1 type

Protective ground screw (External Solenoid Valve Kit for 3WAY)



6. AIR PURGING

6. AIR PURGING

Air and moisture in the refrigerant system may have undesirable effects as indicated below.

- pressure in the system rises
- operating current rises
- cooling (or heating) efficiency drops
- moisture in the refrigerant circuit may freeze and block capillary tubing
- water may lead to corrosion of parts in the refrigerant system

Therefore, the indoor unit and tubing between the indoor and outdoor unit must be leak tested and evacuated to remove any noncondensables and moisture from the system. (Figs. 2-33 and 2-34)

Manifold gauge

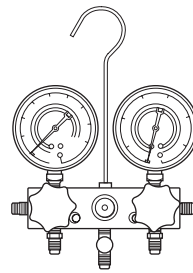


Fig. 2-33

Vacuum pump

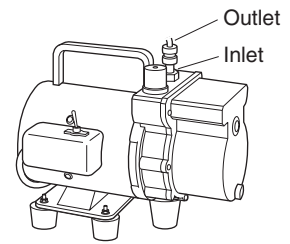


Fig. 2-34

■ Air Purging with a Vacuum Pump (for Test Run) Preparation

Check that each tube (both liquid and gas tubes) between the indoor and outdoor units has been properly connected and all wiring for the test run has been completed.

Remove the valve caps from both the gas tube and liquid tube service valves on the outdoor unit. Note that both liquid and gas tube service valves on the outdoor unit are kept closed at this stage. (Fig. 2-35)

Leak test

- (1) Attach a manifold valve (with pressure gauges) and dry nitrogen gas cylinder to this service port with charge hoses.



CAUTION

Use a manifold valve for air purging. If it is not available, use a stop valve for this purpose. The “Hi” knob of the manifold valve must always be kept closed.

- (2) Pressurize the system to no more than 3.80MPa with dry nitrogen gas and close the cylinder valve when the gauge reading reaches 3.80MPa. Then, test for leaks with liquid soap.



CAUTION

To avoid nitrogen entering the refrigerant system in a liquid state, the top of the cylinder must be higher than the bottom when you pressurize the system. Usually, the cylinder is used in a vertical standing position.

- (3) Do a leak test of all joints of the tubing (both indoor and outdoor) and both gas tube and liquid tube service valves. Bubbles indicate a leak. Wipe off the soap with a clean cloth after the leak test.
- (4) After the system is found to be free of leaks, relieve the nitrogen pressure by loosening the charge hose connector at the nitrogen cylinder. When the system pressure is reduced to normal, disconnect the hose from the cylinder.

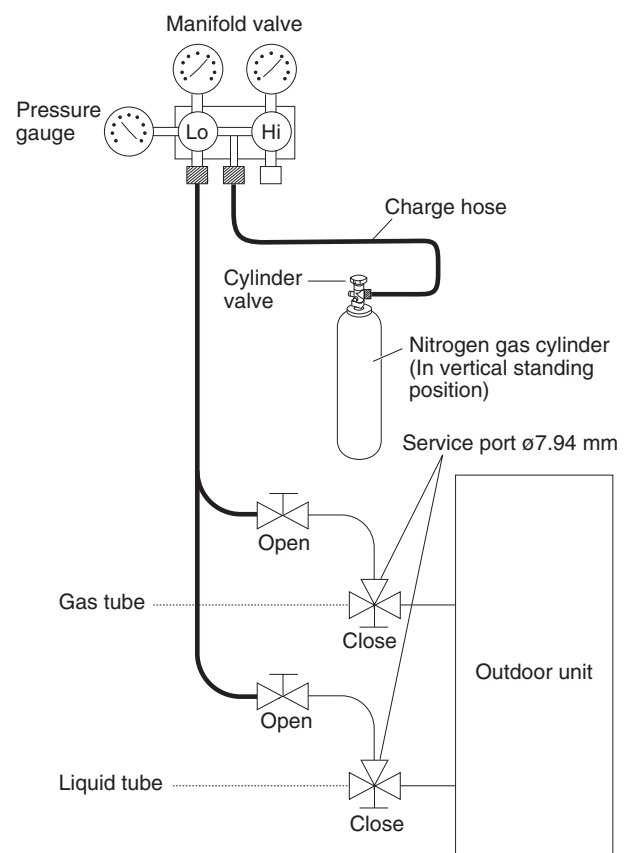


Fig. 2-35

6. AIR PURGING

Evacuation

- (1) Attach the charge hose end described in the preceding steps to the vacuum pump to evacuate the tubing and indoor unit.

Confirm that the “Lo” knob of the manifold valve is open.

Then, run the vacuum pump. The operation time for evacuation varies with the tubing length and capacity of the pump.

The following table shows the amount of time for evacuation:

Required time for evacuation when 30 gal/h vacuum pump is used	
If tubing length is less than 15 m	If tubing length is longer than 15 m
45 min. or more	90 min. or more

NOTE

The required time in the left table is calculated based on the assumption that the ideal (or target) vacuum condition is less than -101 kPa (-755 mmHg, 5 Torr).

- (2) When the desired vacuum is reached, close the “Lo” knob of the manifold valve and turn off the vacuum pump. Confirm that the gauge pressure is under -101 kPa (-755 mmHg, 5 Torr) after 4 to 5 minutes of vacuum pump operation. (Fig. 2-36)



CAUTION

Use a cylinder designed for use with R410A respectively.

Charging additional refrigerant

- Charging additional refrigerant (calculated from the liquid tube length as shown in Section 1-9 “Additional Refrigerant Charge”) using the liquid tube service valve. (Fig. 2-37)
- Use a balance to measure the refrigerant accurately.
- If the additional refrigerant charge amount cannot be charged at once, charge the remaining refrigerant in liquid form by using the gas tube service valve with the system in cooling operation mode at the time of test run. (Fig. 2-38)

Finishing the job

- (1) With a hex wrench, turn the liquid tube service valve stem counterclockwise to fully open the valve.
- (2) Turn the gas tube service valve stem counterclockwise to fully open the valve.



CAUTION

To avoid gas from leaking when removing the charge hose, make sure the stem of the gas tube is turned all the way out.

- (3) Loosen the charge hose connected to the gas tube service port (for $\varnothing 7.94$ mm tube) slightly to release the pressure, then remove the hose.
- (4) Replace the service port cap on the gas tube service port and fasten the cap securely with an adjustable wrench or box wrench. This process is very important to prevent gas from leaking from the system.
- (5) Replace the valve caps at both gas tube and liquid tube service valves and fasten them securely.

This completes air purging with a vacuum pump. The air conditioner is now ready for a test run. Refer to Section “5. TEST RUN”.

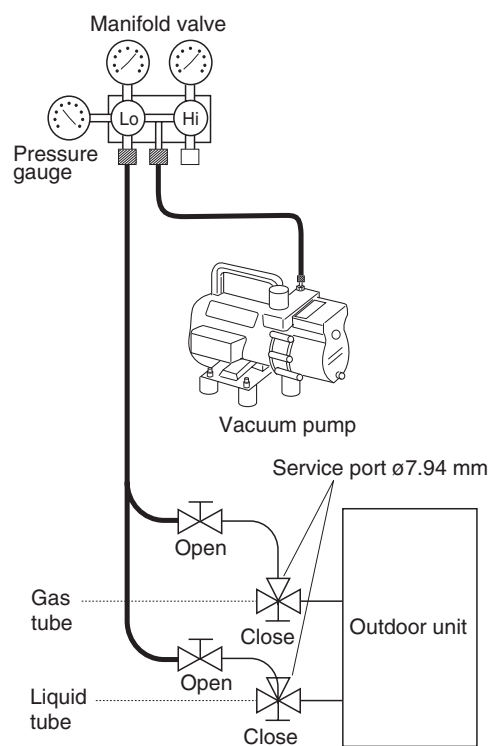


Fig. 2-36

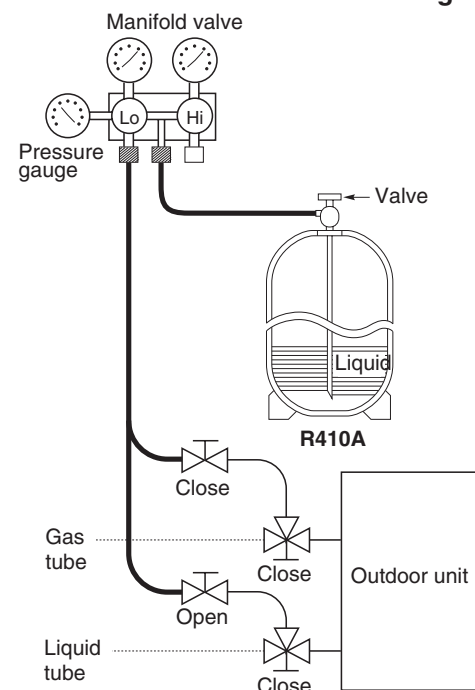


Fig. 2-37

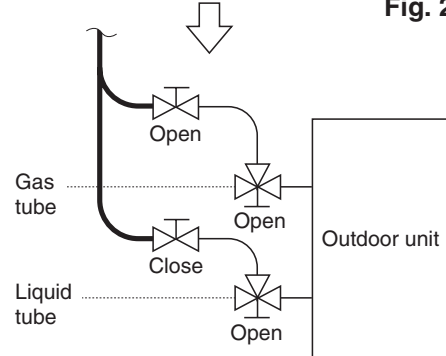


Fig. 2-38

Contents

4. MINI VRF SYSTEM UNIT SPECIFICATIONS

1. Outdoor Unit	4-2
1-1. Specifications	4-2
1-2. Dimensional Data	4-8
1-3. Refrigerant Flow Diagram	4-9
1-4. Sound Data	4-10
2. Indoor Unit	
* Refer to the 2WAY SYSTEM TECHNICAL DATA (TD831151)	

1. Outdoor Unit

Unit specifications (C)

Model No.		Outdoor Unit		U-6LE1E5			
Power Source				220 - 230 - 240 V, Single-phase, 50Hz			
Performance							
	Cooling capacity		kW (BTU / h)	15.5 (52,900)			
	Heating capacity		kW (BTU / h)	18.0 (61,400)			
	COP	Cooling standard	-	3.45			
		Heating standard	-	3.95			
	UNIT DIMENSIONS	Height	mm (in.)	1,330 (52 -23/64)			
		Width	mm (in.)	940 (37)			
		Depth	mm (in.)	340 (13-25 / 64)			
	Net weight		kg (lbs.)	104 (229)			
Color (Munsell code)			Munsell 1Y 8.5 / 0.5				
Electrical Ratings							
	Voltage rating		V	220	230	240	
	Cooling	Running amperes	A	21.5	20.5	19.7	
		Power input	kW	4.49			
		Power factor	%	95			
	Heating	Standard	Running amperes	A	21.6	20.7	19.8
			Power input	kW	4.56		
			Power factor	%	96		
	Starting amperes		A	1	1	1	
	Max. amperes		A	28.0	28.0	28.0	
Max. power input		kW	5.91	6.18	6.45		
Max. number of connectable Indoor Units				9			
Compressor							
	Type - Q'ty			Hermetic type x 1			
	Motor output		kW	3.6			
	Refrigeration oil	Type		FV50S (Ether oil)			
		Charge amount	L	1.3			
	Crankcase heater		W	28			
	Refrigerant amount at shipment		kg	R410A - 3.5			
	Refrigerant control			Electronic expansion valve			
	Defrost method			Reverse cycle,microprocessor control			
Heat exchanger			Tube with plate fins				
Fan Device							
	Type - Q'ty			Propeller fan x 2			
	Air circulation		m ³ / min	104			
	External static pressure		Pa	-			
	Motor output (No. of poles)		kW	0.09 (8P) + 0.09 (8P)			
Protective Devices				High pressure switch, overcurrent (CT method), thermistor by refrigerant gas discharge			
Tubing							
	Refrigerant tubing	Gas tube	mm (in.)	ø19.05 (3 / 4) (Flare nut)			
		Liquid tube	mm (in.)	ø9.52 (3 / 8) (Flare nut)			
Drain Port				ø32			
External Air Temperature Operation Range			°C	Cooling: -10 ~ 46 °C (DB) Heating: -20 ~ 24 °C (DB) -20 ~ 18 °C (WB)			
Pressure sound	Cooling mode	dB-A	52 (silent mode 49)				
	Heating mode	dB-A	55 (silent mode 52)				
Power sound	Cooling mode	dB-A	70				
	Heating mode	dB-A	73				
Primary Accessories				Tube Discharge Assy x 1			

DATA SUBJECT TO CHANGE WITHOUT NOTICE.

Tested to JIS B8616 based on package A/C, electrical characteristics values and operating sound.

Also test to EN14511.

Rated conditions

(Cooling: Indoor intake air temp. 27°C DB / 19°C WB. Outdoor intake air temp. 35°C DB.)

(Heating [standard]: Indoor intake air temp. 20°C DB. Outdoor intake air temp. 7°C DB / 6°C WB.)

1. Outdoor Unit

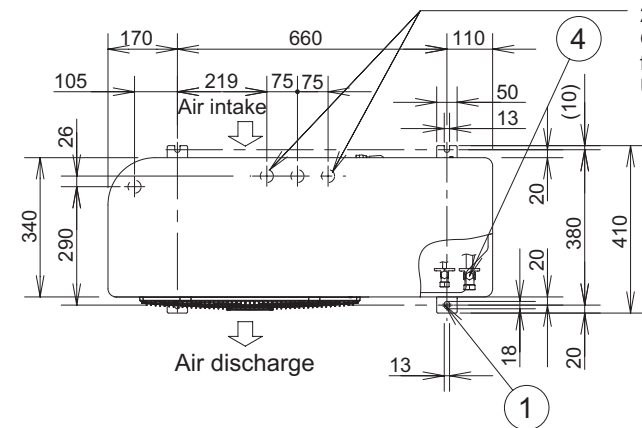
1-2. Dimensional Data

U-4LE1E5, U-4LE1E8

U-5LE1E5, U-5LE1E8

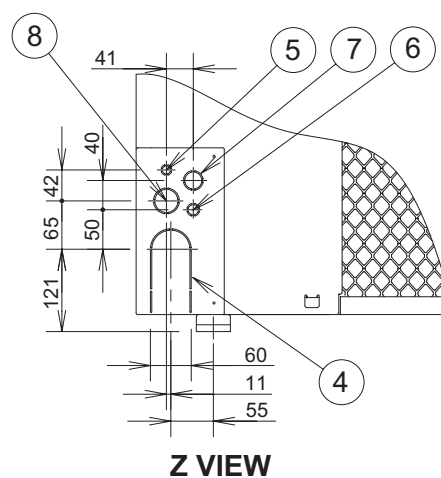
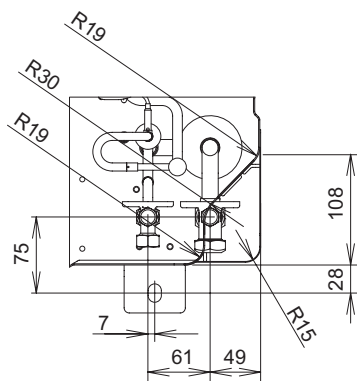
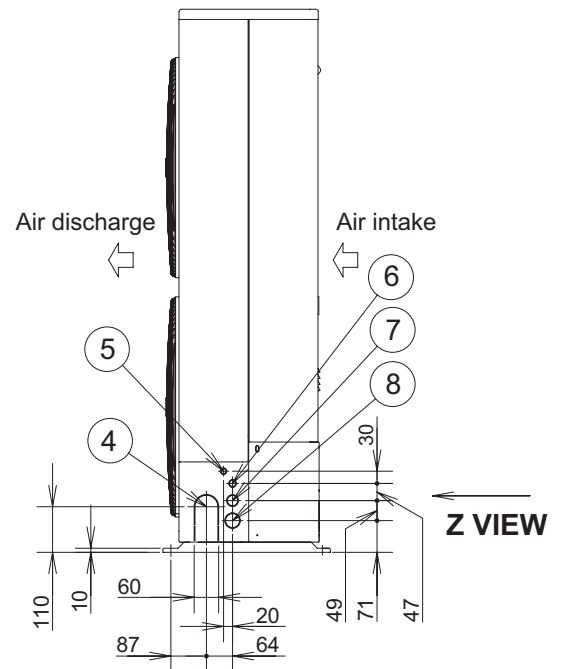
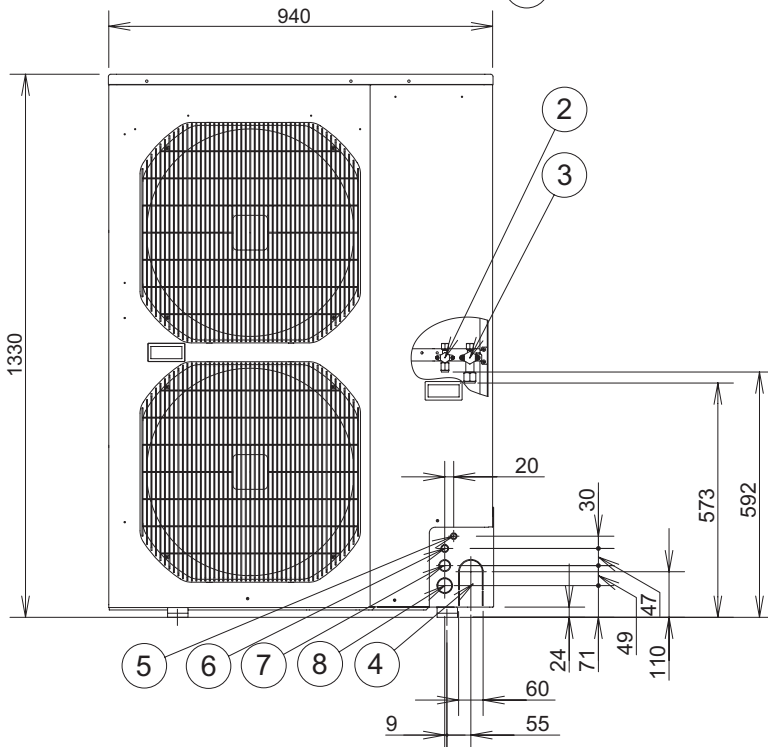
U-6LE1E5, U-6LE1E8

Unit: mm



2 x $\phi 32$ holes (holes for drain)
Of the 4 $\phi 32$ holes, use 1 of the 2 holes specified for drain use to install the port.
Use rubber plugs to seal the remaining 3 holes.

①	Mounting hole (4-R6.5), anchor bolt : M10
②	Refrigerant tubing (liquid tube), flared connection ($\phi 9.52$)
③	Refrigerant tubing (gas tube), flared connection ($\phi 15.88$)
④	Refrigerant tubing port
⑤	Electrical wiring port ($\phi 16$)
⑥	Electrical wiring port ($\phi 19$)
⑦	Electrical wiring port ($\phi 29$)
⑧	Electrical wiring port ($\phi 38$)



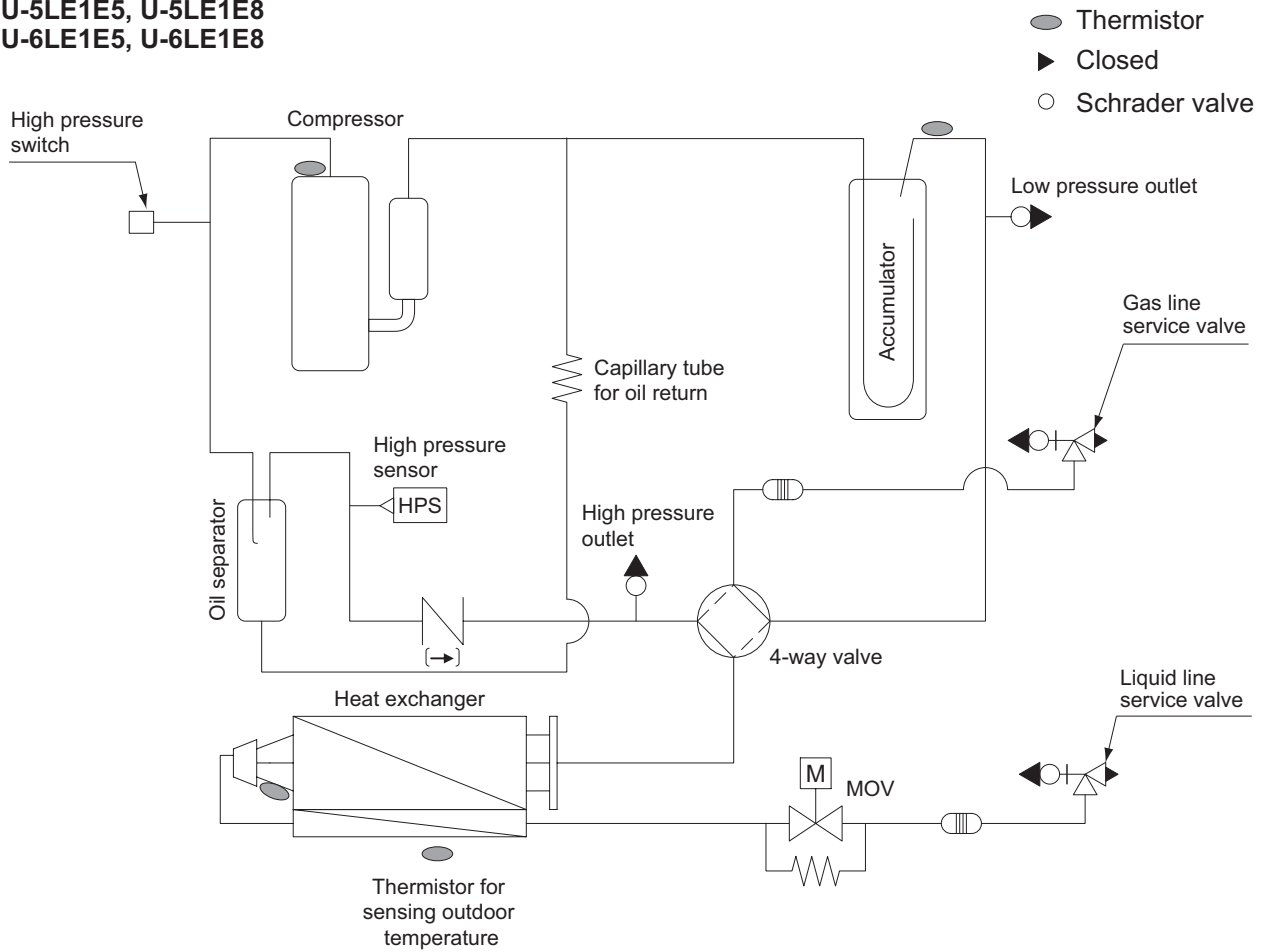
1. Outdoor Unit

1-3. Refrigerant Flow Diagram

U-4LE1E5, U-4LE1E8

U-5LE1E5, U-5LE1E8

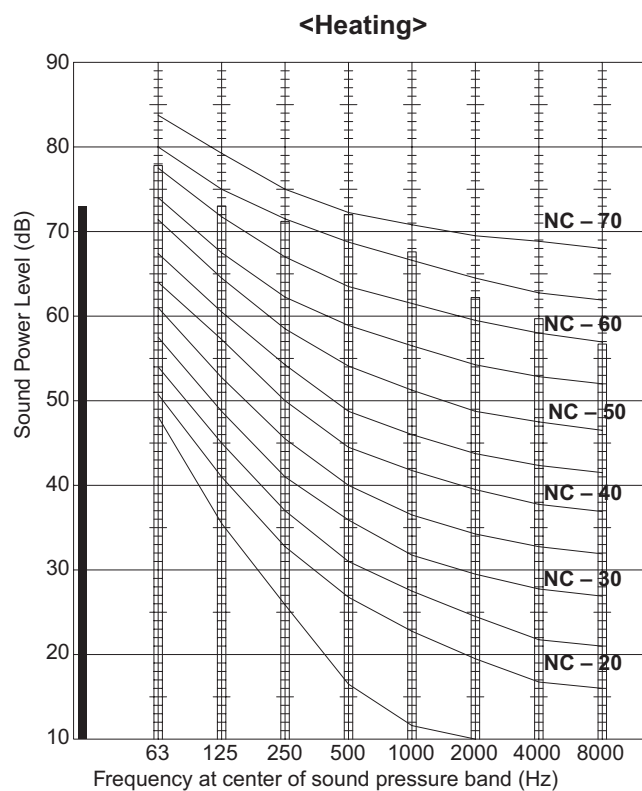
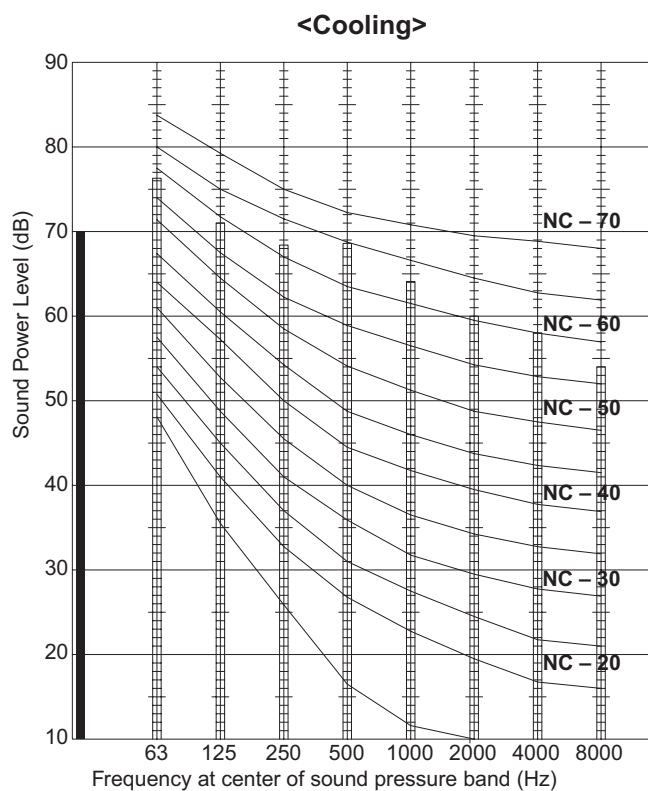
U-6LE1E5, U-6LE1E8



1. Outdoor Unit

U-6LE1E5, U-6LE1E8

Model	U-6LE1E5 U-6LE1E8
Sound Power Level	Cooling : 70 dB (A) Heating : 73 dB (A)
Condition	1 m in front at height of 1.5 m



NOTE

1. dBA = A – weighted sound power level (A – scale according to IEC)
2. Reference acoustic intensity 0 dB = 10^{-12} W/m²

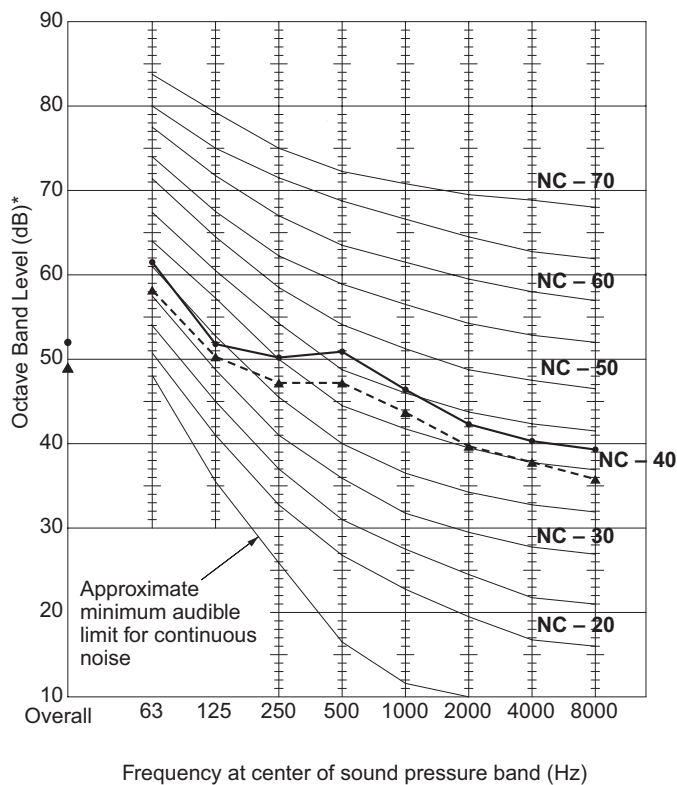
1. Outdoor Unit

U-6LE1E5, U-6LE1E8

<Cooling>

Model	U-6LE1E5 U-6LE1E8
Sound Pressure Level	Standard mode : 52 dB (A) Silent Mode : 49 dB (A)
Condition	1 m in front at height of 1.5 m

—●— Standard mode
- - -▲- - - Silent Mode

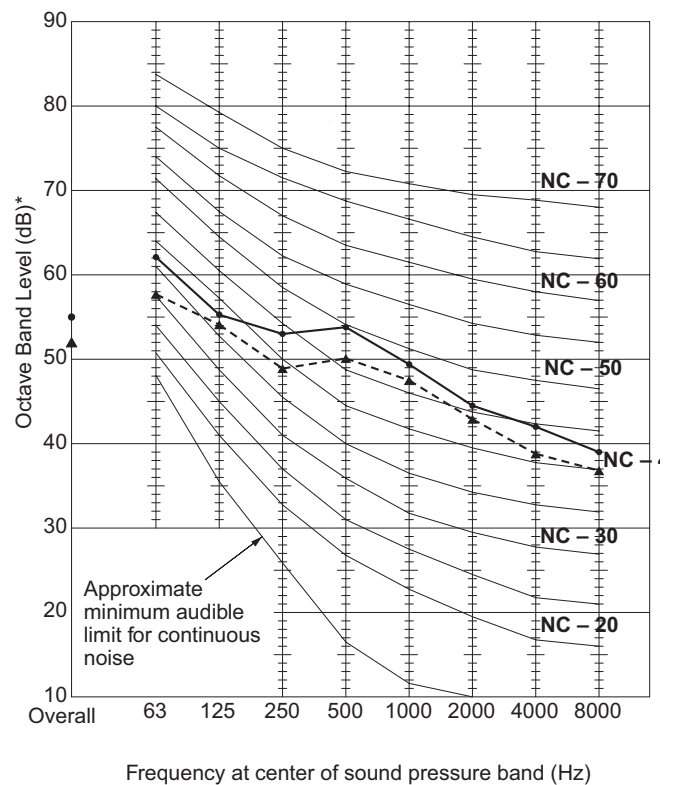


* 0 dB = 0.0002 bar

<Heating>

Model	U-6LE1E5 U-6LE1E8
Sound Pressure Level	Standard mode : 55 dB (A) Silent Mode : 52 dB (A)
Condition	1 m in front at height of 1.5 m

—●— Standard mode
- - -▲- - - Silent Mode



Contents

6. ELECTRICAL DATA

1. Outdoor Unit6-2

 (1) Electric Wiring Diagram U-4LE1E5/U-5LE1E5/U-6LE1E56-2

2. Indoor Unit

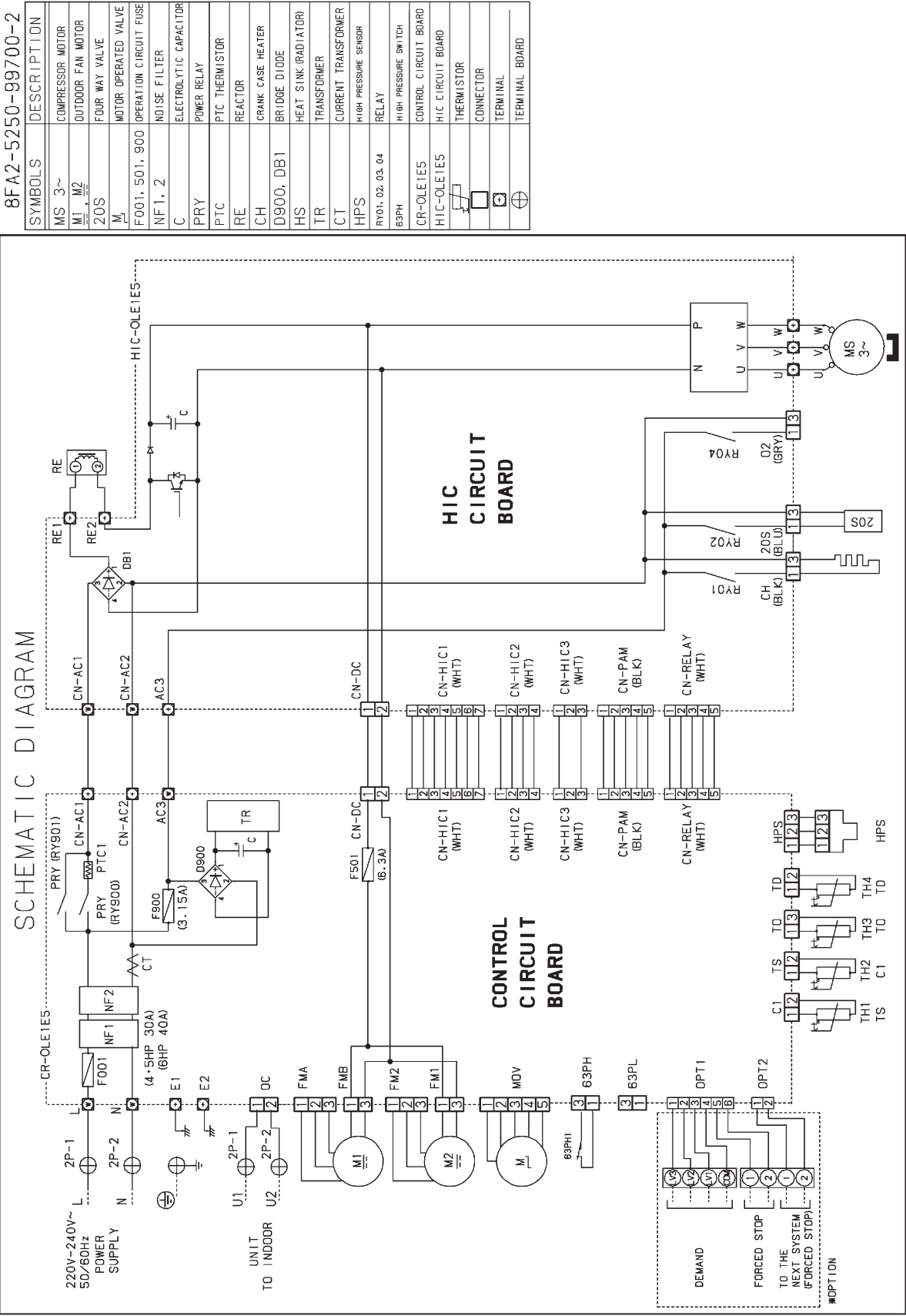
 * Refer to the 2WAY SYSTEM TECHNICAL DATA (TD831151)

(1) Electric Wiring Diagram U-4LE1E5/U-5LE1E5/U-6LE1E5



1. Outdoor Unit

Schematic Diagram U-4LE1E5/U-5LE1E5/U-6LE1E5



Contents

8. CAPACITY TABLE

1. Capacity Ratio of Outdoor Unit	8-2
1-1. U-4LE1E5 (Cooling)	8-2
1-2. U-4LE1E5 (Heating)	8-4
1-3. U-5LE1E5 (Cooling)	8-6
1-4. U-5LE1E5 (Heating)	8-8
1-5. U-6LE1E5 (Cooling)	8-10
1-6. U-6LE1E5 (Heating)	8-12
1-7. U-4LE1E8 (Cooling)	8-14
1-8. U-4LE1E8 (Heating)	8-16
1-9. U-5LE1E8 (Cooling)	8-18
1-10. U-5LE1E8 (Heating)	8-20
1-11. U-6LE1E8 (Cooling)	8-22
1-12. U-6LE1E8 (Heating)	8-24
2. Cooling Capacity of Indoor Unit	8-26
2-1. 4-Way Cassette Type (U1 Type)	8-26
2-2. 4-Way Cassette 60×60 Type (Y1 Type)	8-35
2-3. 2-Way Cassette Type (L1 Type)	8-40
2-4. Wall Mounted Type (K1 Type)	8-46
2-5. Ceiling Type (T1 Type)	8-53
2-6. Low Silhouette Ducted Type (F1 Type), Slim Low Static Ducted Type (M1 Type)	8-59
2-7. High Static Pressure Ducted Type (E1 Type)	8-74
2-8. Floor Standing Type (P1 Type)	8-77
2-9. Concealed Floor Standing Type (R1 Type)	8-83
2-10. 1-Way Cassette Type (D1 Type)	8-89

