Changes for the Better

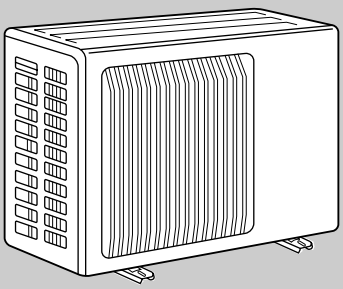
MITSUBISHI ELECTRIC

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS
SPLIT-TYPE, AIR CONDITIONERS

No. OC282
REVISED EDITION-B

TECHNICAL & SERVICE MANUAL

Outdoor unit [Model names]	[Service Ref.]		
SUH-1VR	SUH-1VR.TH		
SUH-1.6VR	SUH-1.6VR.TH		
SUH-1.6VR2	SUH-1.6VR2.TH		
SUH-2VR	SUH-2VR.TH	SUH-2VR$_1$.TH	SUH-2VR$_2$.TH
SUH-2.5VR	SUH-2.5VR.TH		
SU-1.6NR	SU-1.6NR.TH		
SU-2NR	SU-2NR.TH		
SU-2.5NR	SU-2.5NR.TH		
SU-1VR	SU-1VR.TH	SU-1VR.TH-T	
SU-1.6VR	SU-1.6VR.TH	SU-1.6VR.TH-T	
SU-1.6VR2	SU-1.6VR2.TH	SU-1.6VR2.TH-T	
SU-2VR	SU-2VR.TH	SU-2VR.TH-T	
	SU-2VR$_1$.TH	SU-2VR$_1$.TH-T	
SU-2.5VR	SU-2.5VR.TH	SU-2.5VR.TH-T	



OUTDOOR UNIT

CONTENTS

- SU-1VR.TH-T, SU-1.6VR2.TH-T and SU-2VR$_1$.TH-T has been added.
- Instruction of troubleshooting has been added to pege 29 ans 30.
- Please void OC282 REVISED EDITION-A.

Mr.SLIM™

1 TECHNICAL CHANGES

(REVISED EDITION-A)
SUH-2VR1.TH ⟶ SUH-2VR2.TH

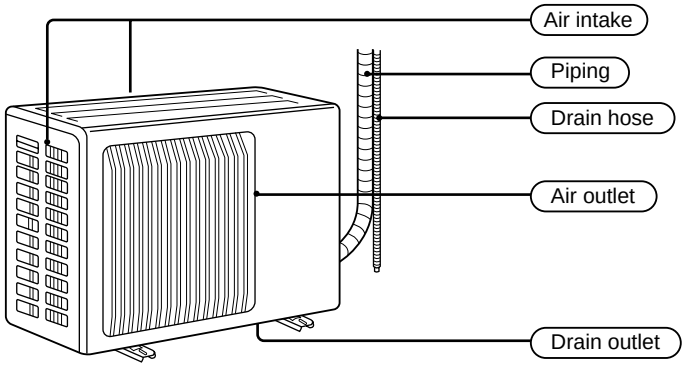
- OUTDOOR HEAT EXCHANGER has changed.
- RESTRICTOR VALVE has changed.
- CAPILLARY TUBE has changed.
  (ϕ4.0XϕXL660) ⟶ (ϕ3.0XϕXL250)

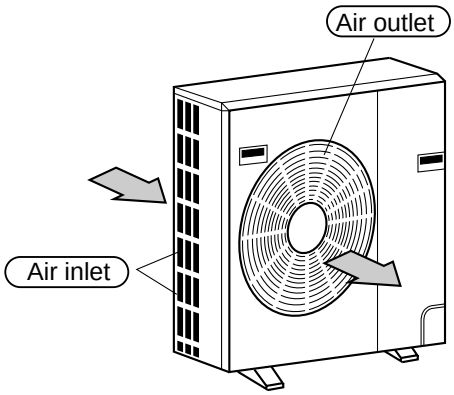
2 COMBINATION OF INDOOR OUTDOOR UNITS

Indoor unit			Outdoor unit																				
			Heat pump type						Cooling only type														
			SUH- • .TH						SU- • .TH									SU- • .TH-T					
		Service Ref.	1	1.6		2		2.5	1.6	2	2.5	1	1.6		2		2.5	1	1.6		2		2.5
			VR	VR	VR2	VR	VR1 VR2	VR	NR	NR	NR	VR	VR	VR2	VR	VR1	VR	VR	VR	VR2	VR	VR1	VR
Service Manual No.	OC281 REVISED EDITION-A	SEH-1.6AR.TH	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SEH-1.6AR1.TH	—	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SEH-2AR.TH	—	—	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SEH-2.5AR.TH	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SE-1.6AR.TH	—	—	—	—	—	—	○	—	—	—	○	—	—	—	—	—	—	—	—	—	—
		SE-1.6AR1.TH	—	—	—	—	—	—	○	—	—	—	—	○	—	—	—	—	—	—	—	—	—
		SE-2AR.TH	—	—	—	—	—	—	—	○	—	—	—	—	○	○	—	—	—	—	—	—	—
		SE-2.5AR.TH	—	—	—	—	—	—	—	—	○	—	—	—	—	—	○	—	—	—	—	—	—
		SE-1.6AR.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—
		SE-1.6AR1.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—
		SE-2AR.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○	—
		SE-2.5AR.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○
	OC280 REVISED EDITION-A	SLH-1AR.TH	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SLH-1.6AR.TH	—	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SLH-2AR.TH	—	—	—	—	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		SL-1AR.TH	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—	—	—
		SL-1.6AR.TH	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—	—	—
		SL-2AR.TH	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—	—	—
		SL-1AR.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—	—	—
		SL-1.6AR.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—	—	—
		SL-2AR.TH-T	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	—

3 PART NAMES AND FUNCTIONS

SUH-1VR.TH	**SUH-1.6VR.TH**	**SUH-2VR.TH**	**SUH-2.5VR.TH**
	SUH-1.6VR2.TH	**SUH-2VR$_1$.TH**	
		SUH-2VR$_2$.TH	
	SU-1.6NR.TH	**SU-2NR.TH**	**SU-2.5NR.TH**
SU-1VR.TH	**SU-1.6VR.TH**	**SU-2VR.TH**	**SU-2.5VR.TH**
	SU-1.6VR2.TH	**SU-2VR$_1$.TH**	
SU-1VR.TH-T	**SU-1.6VR.TH-T**	**SU-2VR.TH-T**	**SU-2.5VR.TH-T**
	SU-1.6VR2.TH-T	**SU-2VR$_1$.TH-T**	





4 SPECIFICATIONS

Service Ref.				SUH-1VR.TH	SUH-1.6VR.TH	SUH-1.6VR2.TH
Power supply				Single phase, 220-240V, 50Hz		
Compressor	Model			RH-174VGHT	RH-247VHAT	RH-277VHAT
	Output		W	800	1200	1300
	Winding resistance (at 20℃)		Ω	C-R: 3.30 C-S: 5.80	C-R: 2.13 C-S: 3.91	C-R: 1.80 C-S: 3.00
Outdoor fan motor	Model			PN6V23-UA	RA6V40-EE	
	Winding resistance (at 20℃)		Ω	WHT-BLK : 353 BLK-RED : 321	WHT-BLK : 130 BLK-RED : 135	
	Airflow		m^3/min(CFM)	28(990)	36(1270)	
Dimensions		Width	mm	780	850	
		Height	mm	540	605	
		Depth	mm	255	290	
Weight			kg	33	43	
Special remarks	Sound level (Hi)		dB	47	50	
	Fan speed (Hi)		rpm	710-760	780-820	
	Fan speed regulator			1		
	Refrigerant filling capacity (R-22)		kg	0.8	1.65	1.4
	Refrigerant oil		ℓ	MS-56 × 0.30	MS-56 × 0.52	
	Thermistor	RT61(at 0℃)	kΩ	33.18		

Service Ref.				SUH-2VR.TH SUH-2VR1.TH SUH-2VR2.TH	SUH-2.5VR.TH
Power supply				Single phase, 220-240V, 50Hz	
Compressor	Model			NH-38VMDT	NH-47VMDT
	Output		W	1700	2200
	Winding resistance (at 20℃)		Ω	C-R: 1.07 C-S: 2.26	C-R: 0.96 C-S: 2.70
Outdoor fan motor	Model			RA6V50-OF	RA6V85-AA
	Winding resistance (at 20℃)		Ω	WHT-BLK : 116 BLK-RED : 111	WHT-BLK : 62.7 BLK-YLW : 30.2 YLW-RED : 62.9
	Airflow		m^3/min(CFM)	28(990)	45(1590)
Dimensions		Width	mm	850	870
		Height	mm	605	850
		Depth	mm	290	295
Weight			kg	59	72
Special remarks	Sound level (Hi)		dB	52	53
	Fan speed (Hi)		rpm	810-845	720-750
	Fan speed regulator			1	2
	Refrigerant filling capacity (R-22)		kg	1.8	2.4
	Refrigerant oil		ℓ	MS-32(N-1) × 1.2	MS-32(N-1) × 1.2
	Thermistor	RT61(at 0℃)	kΩ	33.18	

Service Ref.				SU-1VR.TH SU-1VR.TH-T	SU-1.6VR.TH SU-1.6VR.TH-T	SU-1.6VR2.TH SU-1.6VR2.TH-T
Power supply				Single phase, 220-240V, 50Hz		
Compressor	Model			RH-174VGHT	RH-247VHAT	RH-277VHAT
	Output		W	800	1200	1300
	Winding resistance (at 20℃)		Ω	C-R: 3.30 C-S: 5.80	C-R: 2.13 C-S: 3.91	C-R: 1.80 C-S: 3.00
Outdoor fan motor	Model			RA6V23-HC	RA6V40-EE	
	Winding resistance (at 20℃)		Ω	WHT-BLK : 353 BLK-RED : 321	WHT-BLK : 130 BLK-RED : 135	
	Airflow		m^3/min(CFM)	28(990)	37(1310)	
Dimensions		Width	mm	780	850	
		Height	mm	540	605	
		Depth	mm	255	290	
Weight			kg	32	38	
Special remarks	Sound level (Hi)		dB	45	50	
	Fan speed (Hi)		rpm	710-760	780-820	
	Fan speed regulator			1		
	Refrigerant filling capacity (R-22)		kg	0.8	0.9	
	Refrigerant oil		ℓ	MS-56 × 0.30	MS-56 × 0.52	
	Thermistor	RT61(at 0℃)	kΩ	33.18		

Service Ref.				SU-2VR.TH SU-2VR1.TH SU-2VR.TH-T SU-2VR1.TH-T	SU-2.5VR.TH SU-2.5VR.TH-T
Power supply				Single phase, 220-240V, 50Hz	
Compressor	Model			NH38VMDT	NH47VMDT
	Output		W	1700	2200
	Winding resistance (at 20℃)		Ω	C-R: 1.07 C-S: 2.26	C-R: 0.96 C-S: 2.70
Outdoor fan motor	Model			RA6V50-OF	RA6V60-AB
	Winding resistance (at 20℃)		Ω	WHT-BLK : 116 BLK-RED : 111	WHT-BLK : 81 BLK-YLW : 92.2 YLW-RED : 102
	Airflow		m^3/min(CFM)	28(990)	39(1380)
Dimensions		Width	mm	850	850
		Height	mm	605	605
		Depth	mm	290	290
Weight			kg	55	61
Special remarks	Sound level (Hi)		dB	52	53
	Fan speed (Hi)		rpm	810-845	860-890
	Fan speed regulator			1	2
	Refrigerant filling capacity (R-22)		kg	1.6	2.15
	Refrigerant oil		ℓ	MS-32(N-1) × 1.2	MS-32(N-1) × 1.2
	Thermistor	RT61(at 0℃)	kΩ	33.18	

Service Ref.				SU-1.6NR.TH	SU-2NR.TH	SU-2.5NR.TH
Power supply				Single phase, 220V, 60Hz		
Compressor	Model			RH-207NHDT	NH-33NCDT	NH-38NBDT
	Output		W	1000	1500	1700
	Winding resistance (at 20℃)		Ω	C-R: 1.68 C-S: 2.78	C-R: 0.92 C-S: 1.93	C-R: 0.83 C-S: 1.83
Outdoor fan motor	Model			RA6V40-EE	RA6V50-OF	RA6V60-AB
	Winding resistance (at 20℃)		Ω	WHT-BLK : 130 BLK-RED : 135	WHT-BLK : 116 BLK-RED : 111	WHT-BLK : 81 BLK-YLW : 92 YLW-RED : 102
	Airflow		m^3/min(CFM)	38(1340)	39(1380)	41(1450)
Dimensions		Width	mm	850		
		Height	mm	605		
		Depth	mm	290		
Weight			kg	38	55	61
Special remarks	Sound level (Hi)		dB	51	52	54
	Fan speed (Hi)		rpm	820	860	930
	Fan speed regulator			1		2
	Refrigerant filling capacity (R-22)		kg	0.9	1.65	2.15
	Refrigerant oil		ℓ	MS-56 × 0.52	MS-32(N-1) × 0.85	MS-32(N-1) × 1.2
	Thermistor	RT61(at 0℃)	kΩ	33.18		

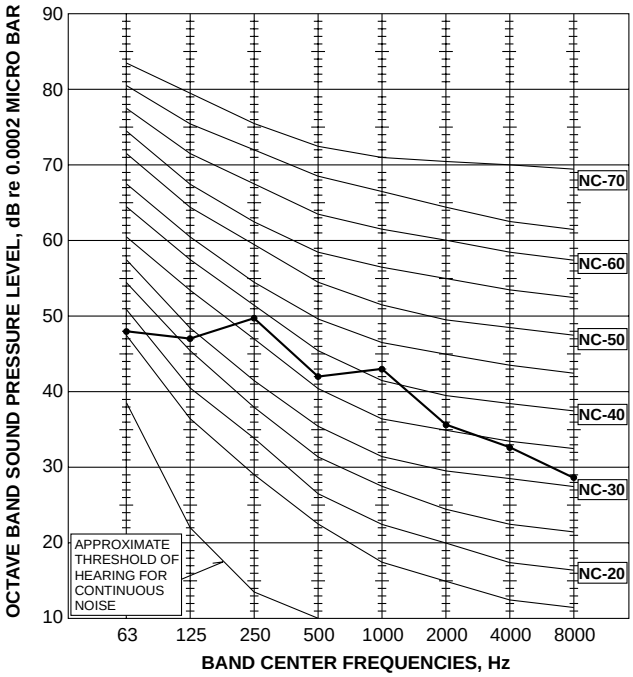
5 DATA

NOISE CRITERION CURVES

SUH-1VR.TH

<50Hz>

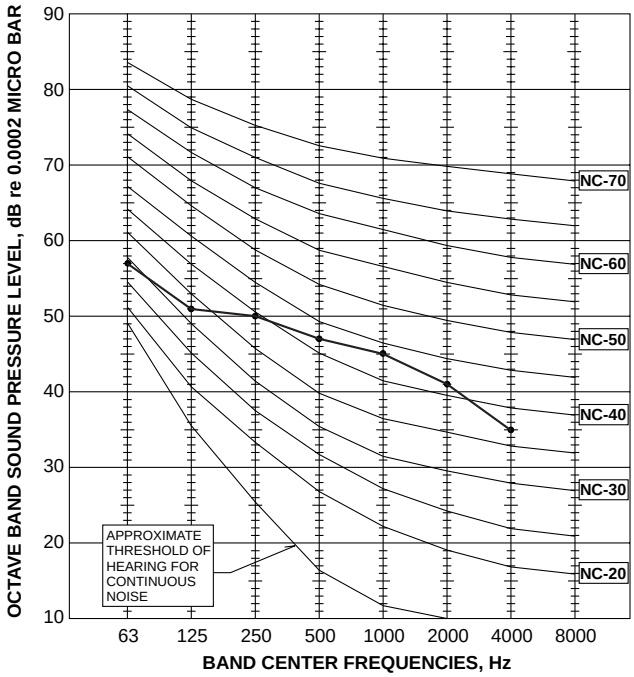
SPL(dB)	LINE
47	●—●



SUH-1.6VR.TH
SUH-1.6VR2.TH

<50Hz>

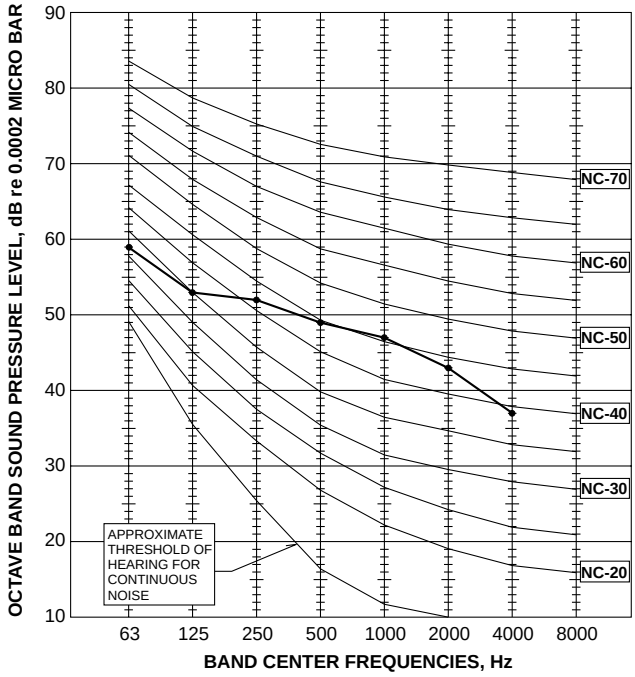
SPL(dB)	LINE
50	●—●



SUH-2VR.TH
SUH-2VR1.TH
SUH-2VR2.TH

<50Hz>

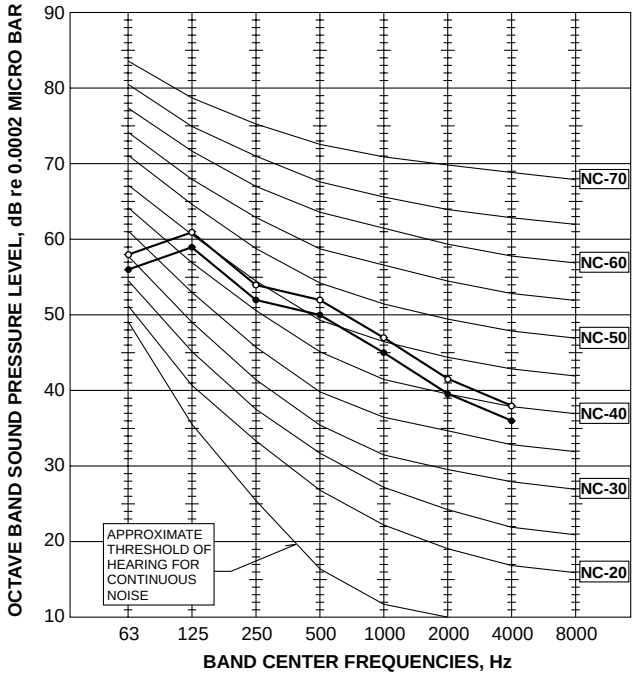
SPL(dB)	LINE
52	●—●



SUH-2.5VR.TH

<50Hz>

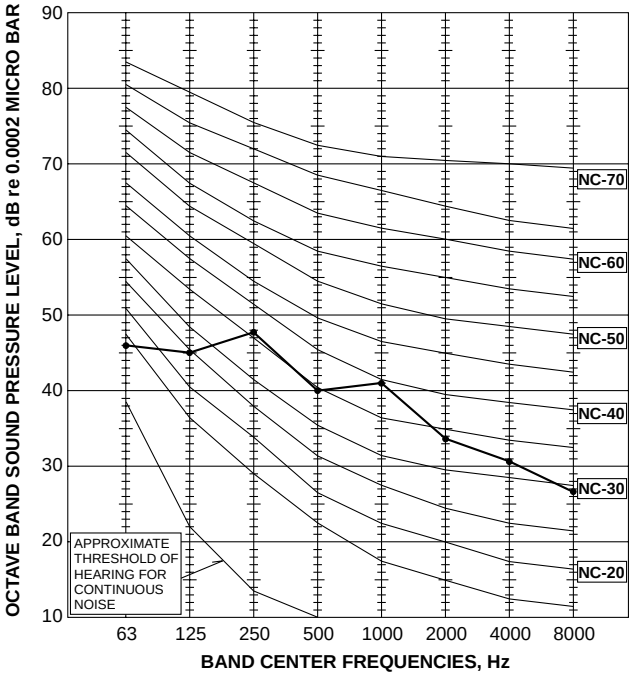
NOTCH	SPL(dB)	LINE
Hi	53	○—○
Lo	51	●—●



SU-1VR.TH
SU-1VR.TH-T

<50Hz>

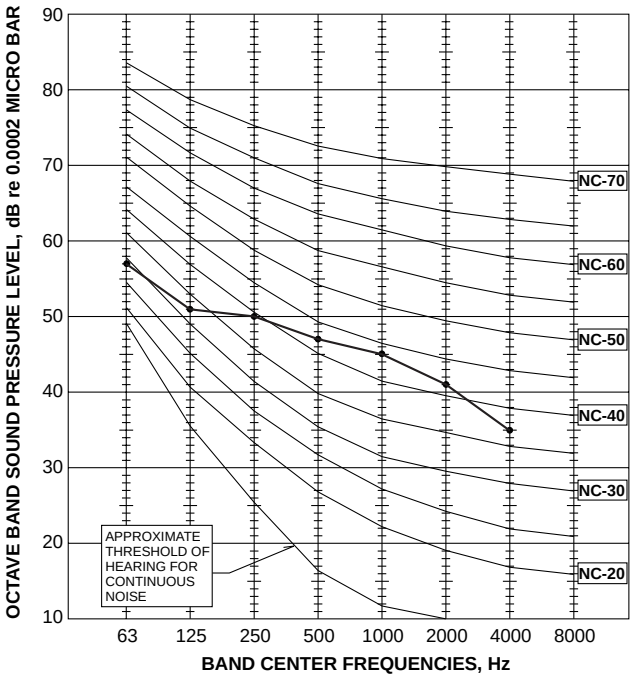
SPL(dB)	LINE
45	



SU-1.6VR.TH
SU-1.6VR2.TH
SU-1.6VR.TH-T
SU-1.6VR2.TH-T

<50Hz>

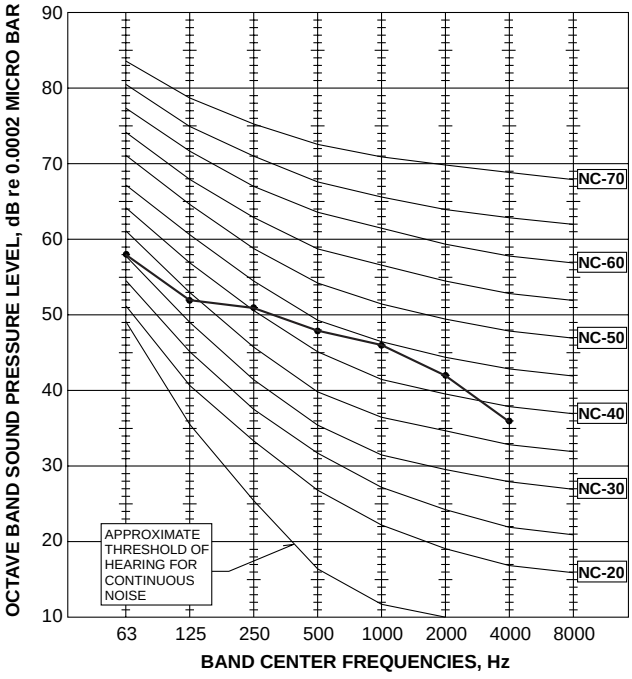
SPL(dB)	LINE
50	



SU-1.6NR.TH

<60Hz>

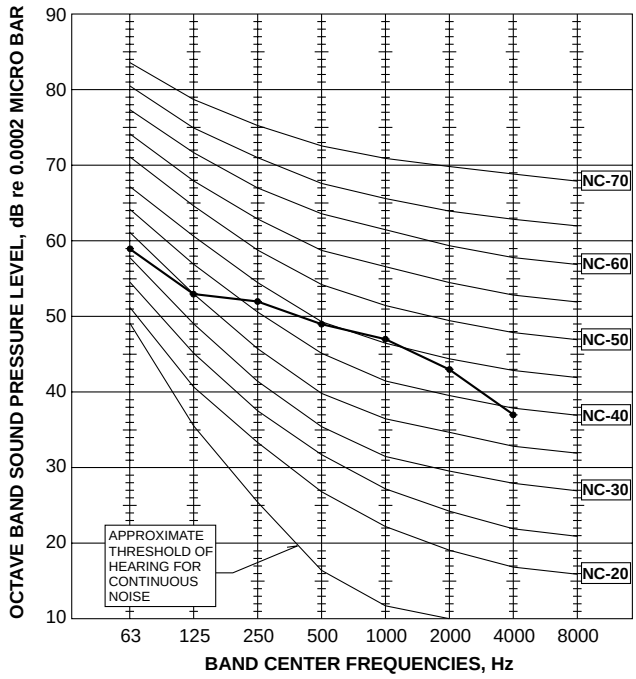
SPL(dB)	LINE
51	



SU-2VR.TH
SU-2VR1.TH
SU-2NR.TH
SU-2VR.TH-T
SU-2VR1.TH-T

<50/60Hz>

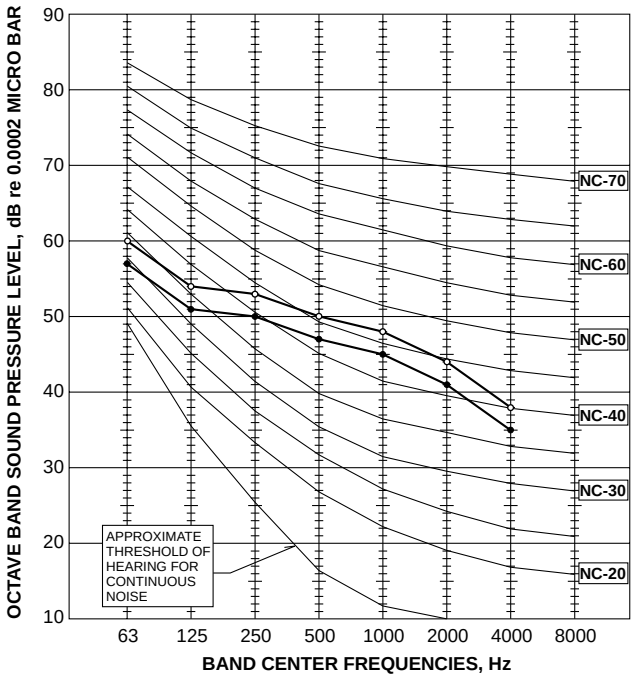
SPL(dB)	LINE
52	



SU-2.5VR.TH
SU-2.5VR.TH-T

<50Hz>

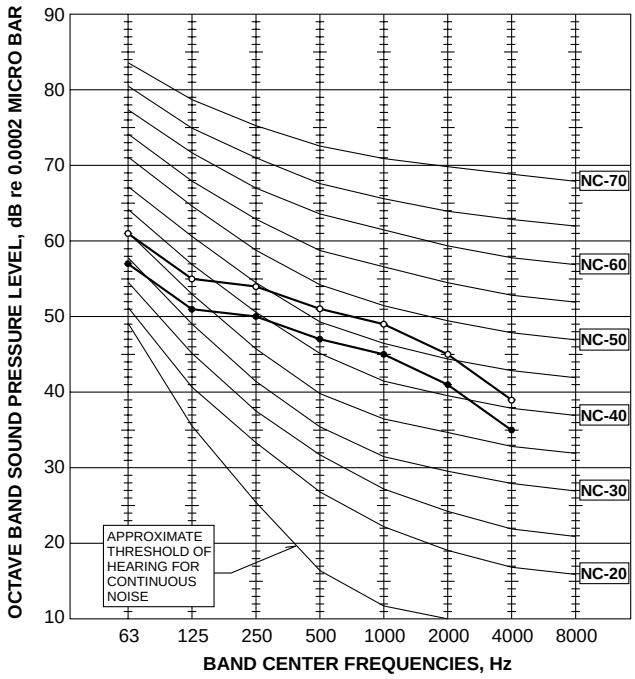
NOTCH	SPL(dB)	LINE
Hi	53	○——○
Lo	50	●——●

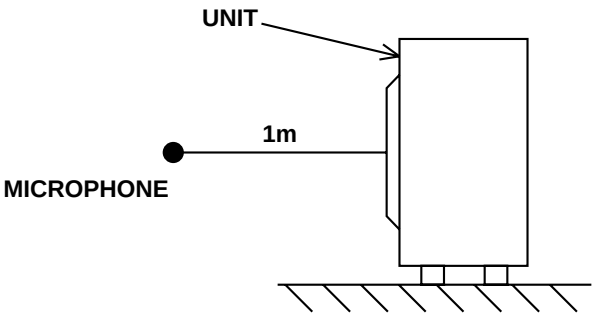


SU-2.5NR.TH

<60Hz>

NOTCH	SPL(dB)	LINE
Hi	54	○——○
Lo	50	●——●





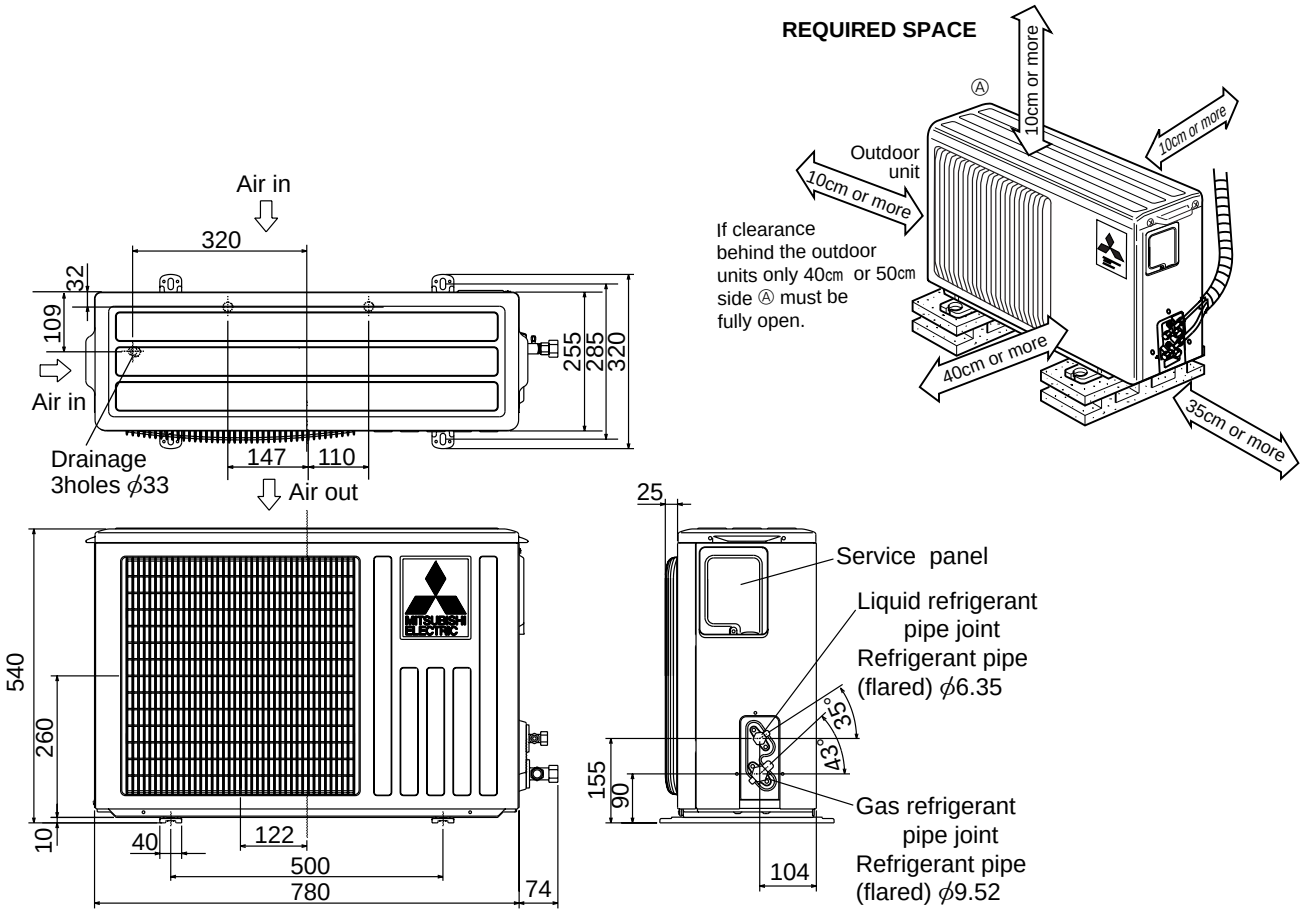
Ambient temperature 35°C (Cooling) / 7°C (Heating)

Test conditions are based on JIS Z8731

6 OUTLINES AND DIMENSIONS

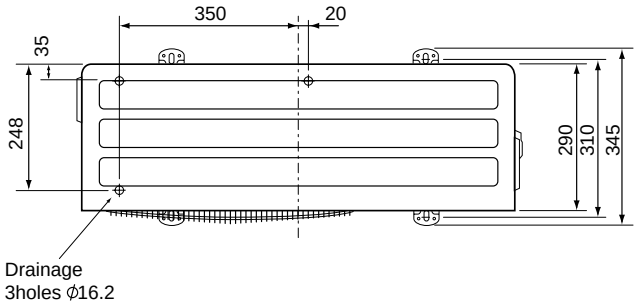
SUH-1VR.TH
SU-1VR.TH
SU-1VR.TH-T

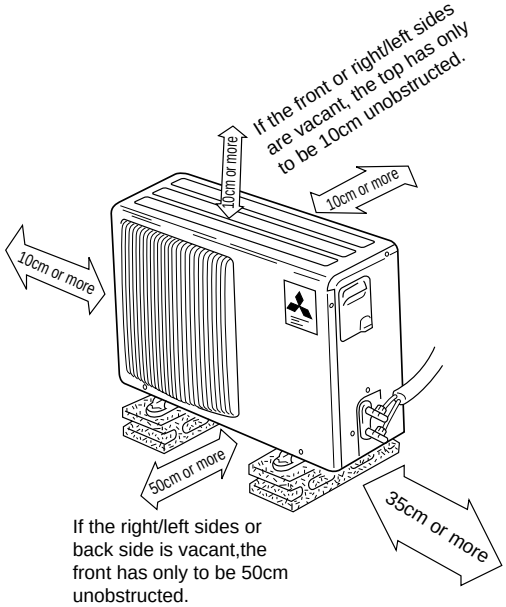
Unit: mm

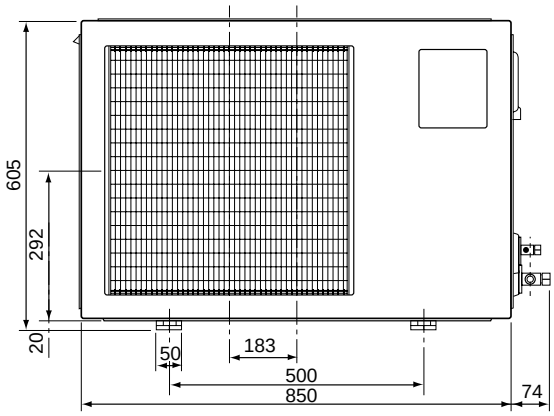


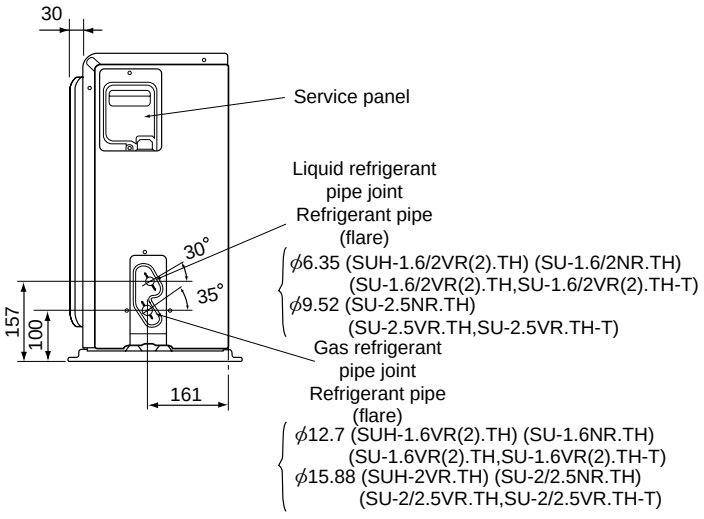
SUH-1.6VR.TH **SUH-2VR.TH**
SUH-1.6VR2.TH **SUH-2VR$_1$.TH**
SUH-2VR$_2$.TH
SU-1.6NR.TH **SU-2NR.TH** **SU-2.5NR.TH**
SU-1.6VR.TH **SU-2VR.TH** **SU-2.5VR.TH**
SU-1.6VR2.TH **SU-2VR$_1$.TH**
SU-1.6VR.TH-T **SU-2VR.TH-T** **SU-2.5VR.TH-T**
SU-1.6VR2.TH-T **SU-2VR$_1$.TH-T**

Unit: mm

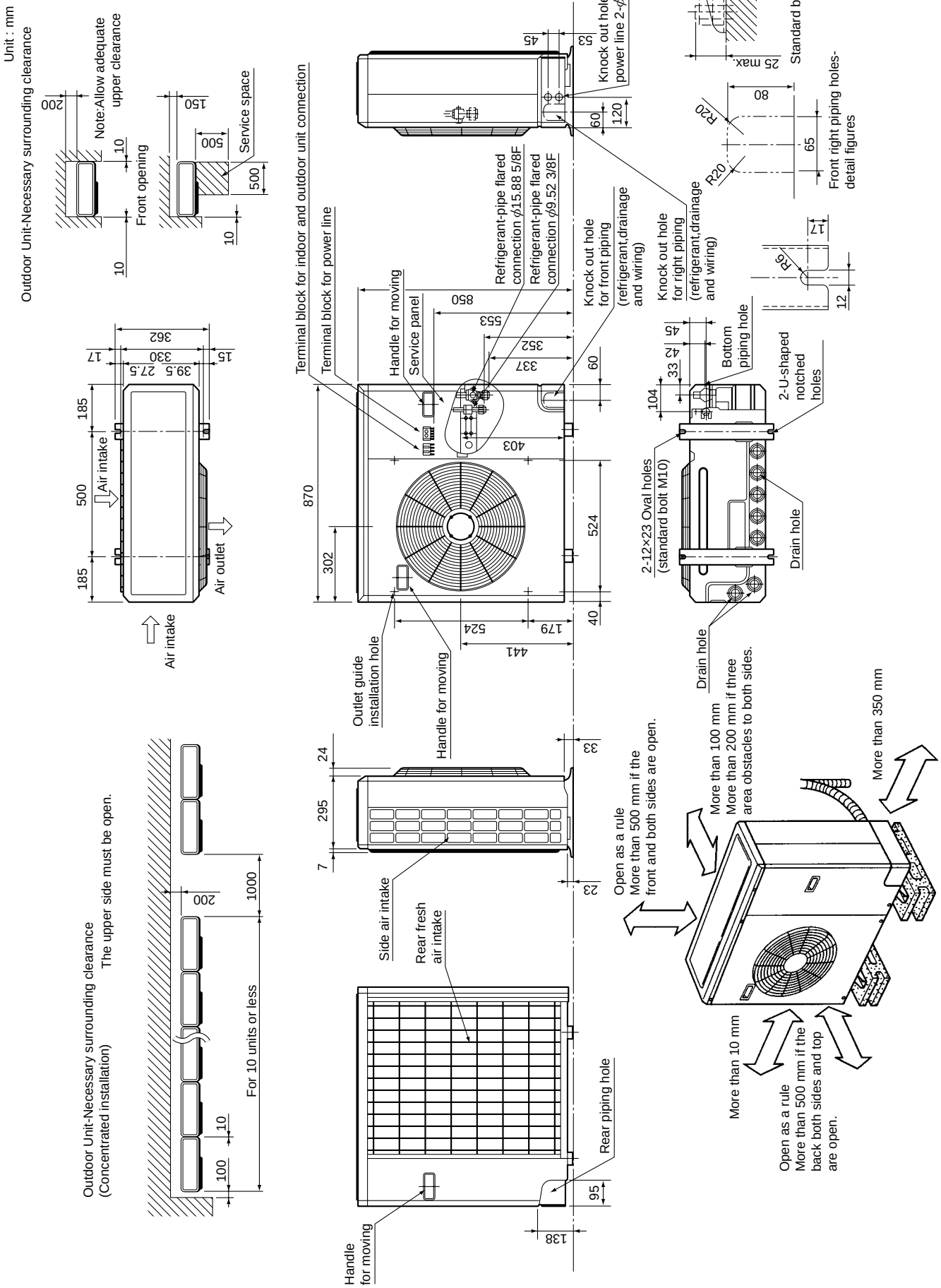






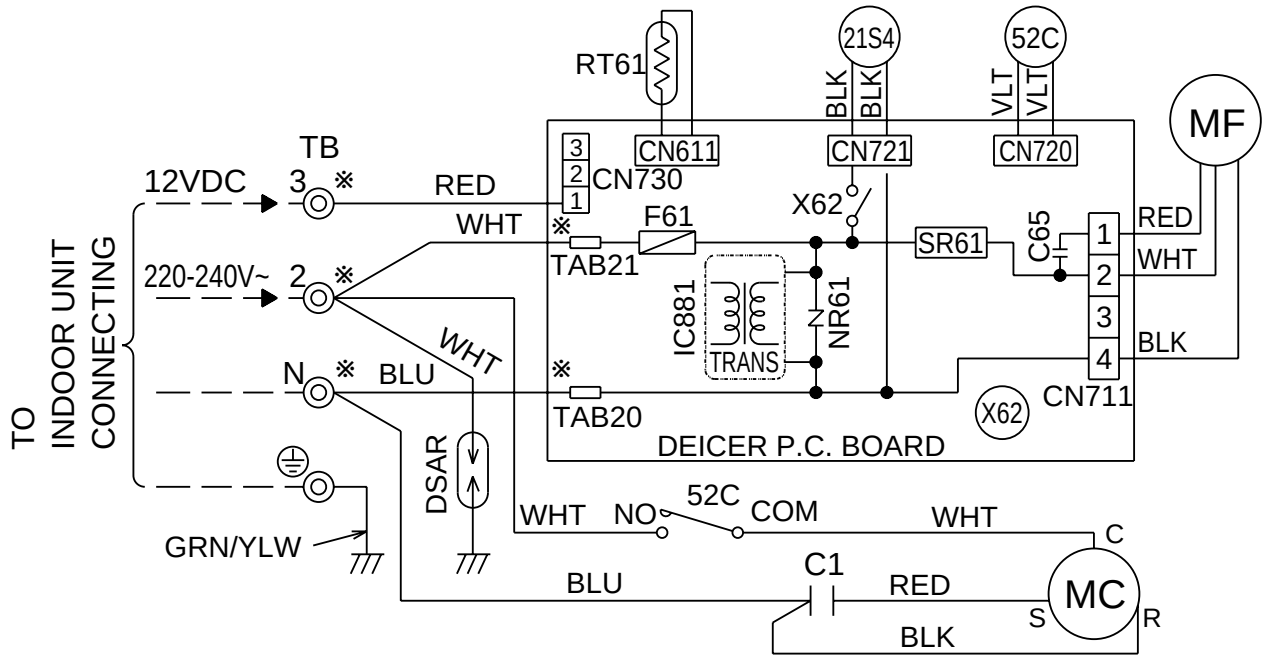


SUH-2.5VR.TH


Unit : mm
Outdoor Unit-Necessary surrounding clearance
200
Note:Allow adequate upper clearance
10
Front opening
10
150
500
Service space
500
10
362
330
39.5
27.5
17
15
185
500
185
Air intake
Air outlet
Air intake
Outdoor Unit-Necessary surrounding clearance
(Concentrated installation)
The upper side must be open.
200
1000
For 10 units or less
10
100
Terminal block for indoor and outdoor unit connection
Terminal block for power line
Handle for moving
Service panel
850
553
352
337
403
870
302
524
179
441
40
60
Refrigerant-pipe flared connection ϕ15.88 5/8F
Refrigerant-pipe flared connection ϕ9.52 3/8F
Knock out hole for front piping (refrigerant,drainage and wiring)
Knock out hole for right piping (refrigerant,drainage and wiring)
Outlet guide installation hole
Handle for moving
24
295
7
33
23
Side air intake
Rear fresh air intake
Rear piping hole
95
138
Handle for moving
45
53
Knock out holes for power line 2-ϕ27
60
120
25 max
Standard bolt length
80
R20
R20
65
Front right piping holes-detail figures
ϕ9
17
12
45
33
45
104
Bottom piping hole
2-U-shaped notched holes
2-12×23 Oval holes (standard bolt M10)
Drain hole
Drain hole
Open as a rule
More than 500 mm if the front and both sides are open.
More than 100 mm
More than 200 mm if three area obstacles to both sides.
More than 350 mm
More than 10 mm
Open as a rule
More than 500 mm if the back both sides and top are open.

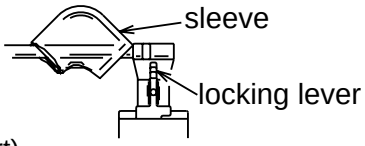
7 WIRING DIAGRAM

SUH-1VR.TH



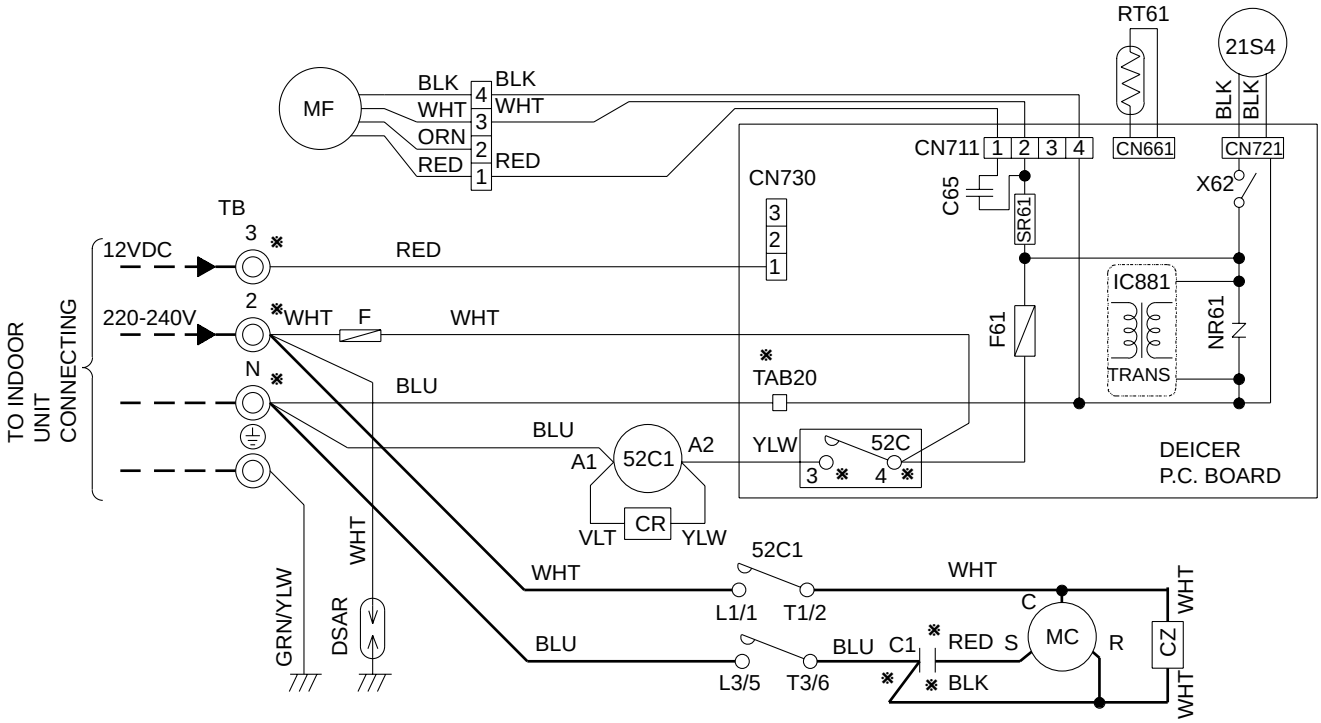
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C1	COMPRESSOR CAPACITOR	MC	COMPRESSOR (INNER THERMOSTAT)	TB	TERMINAL BLOCK
C65	FAN MOTOR CAPACITOR	MF	FAN MOTOR (INNER THERMOSTAT)	X62	4-WAY VALVE RELAY
DSAR	SURGE ABSORBER	NR61	VARISTOR	21S4	4-WAY VALVE SOLENOID COIL
F61	FASE (2A)	RT61	DEFROST THERMISTOR	52C	COMPRESSOR CONTACTOR
IC881	DC/DC CONVERTER	SR61	SOLID STATE RELAY		

NOTE :1. Use copper conductors only (For field wiring).
2. "※" shows the terminals with a lock mechanism, so they cannot be removed when you pull the lead wire.
Be sure to pull the lead wire by pushing the locking lever (projected part) of the terminal with a finger.



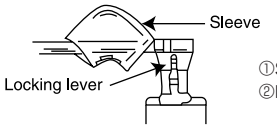
① Slide the sleeve.
② Pull the wire while pushing the locking lever.

SUH-1.6VR.TH **SUH-2VR.TH**
SUH-1.6VR2.TH **SUH-2VR1.TH**
SUH-2VR2.TH



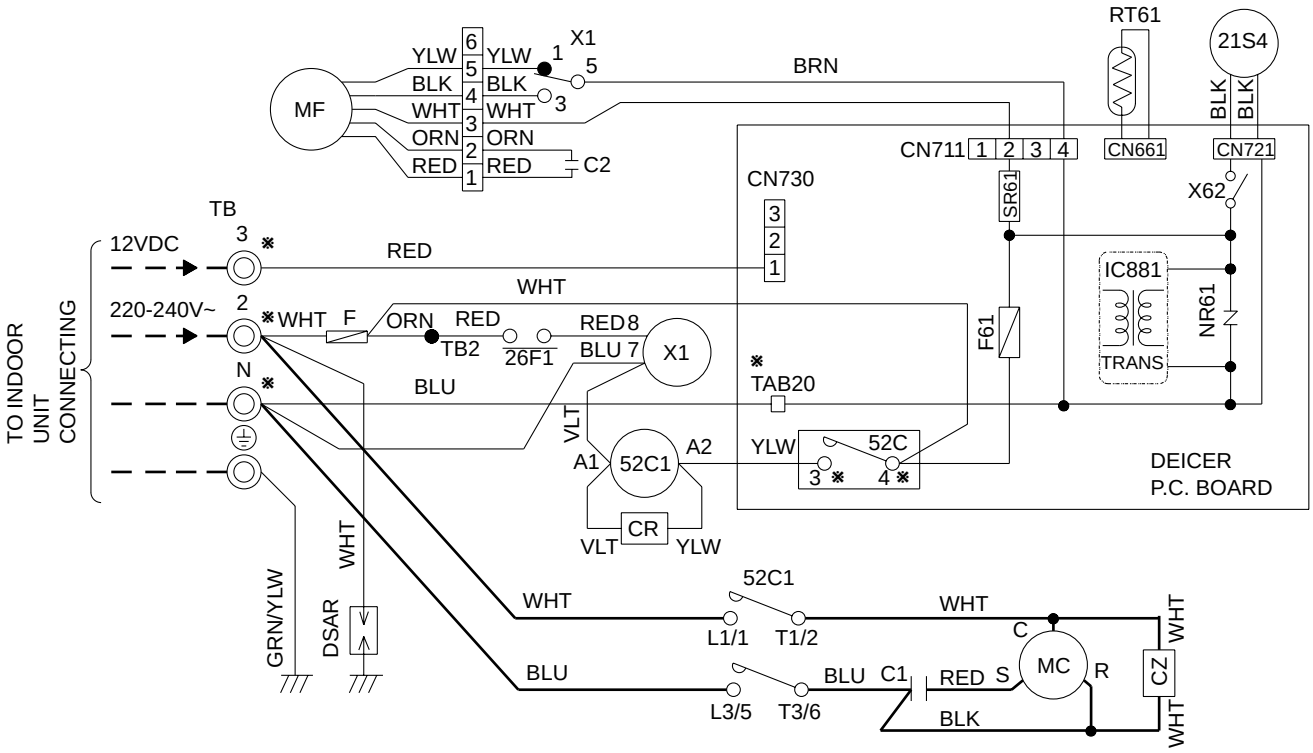
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C1	COMPRESSOR CAPACITOR	RT61	DEFROST THERMISTOR	IC881	DC/DC CONVERTER
C65	FAN MOTOR CAPACITOR	SR61	SOLID STATE RELAY	DSAR	SURGE ABSORBER 1
F61	FUSE (2A)	TB	TERMINAL BLOCK	CR	SURGE ABSORBER 2
F	FUSE (2A)	X62	4-WAY VALVE RELAY	CZ	SURGE ABSORBER 3
MC	COMPRESSOR <INNER THERMOSTAT>	21S4	4-WAY VALVE SOLENOID COIL		
MF	FAN MOTOR <INNER THERMOSTAT>	52C	CONTACTOR		
NR61	VARISTOR	52C1	COMPRESSOR CONTACTOR		

NOTE :1. Use copper conductors only. (For field wiring)
2. Since the indoor and outdoor unit connecting wires have polarity, connect them according to the numbers (N,2,3 and ⏚).
3. Symbols below indicate.
◎:Terminal block, □□□□ : Connector
4. "※" shows the terminals with a lock mechanism,so they cannot be removed when you pull the lead wire. Be sure to pull the wire by pushing the locking lever (projected part) of the terminal with a finger.



①Slide the sleeve.
②Pull the wire while pushing the locking lever.

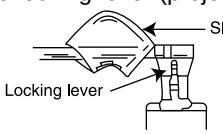
SUH-2.5VR.TH



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
C1	COMPRESSOR CAPACITOR	RT61	DEFROST THERMISTOR	X1	FAN MOTOR RELAY
C2	FAN MOTOR CAPACITOR	SR61	SOLID STATE RELAY	26F1	THERMAL REED SWITCH
F61	FUSE (2A)	TB,TB2	TERMINAL BLOCK	IC881	DC/DC CONVERTER
F	FUSE (2A)	X62	4-WAY VALVE RELAY	DSAR	SURGE ABSORBER 1
MC	COMPRESSOR <INNER THERMOSTAT>	21S4	4-WAY VALVE SOLENOID COIL	CR	SURGE ABSORBER 2
MF	FAN MOTOR <INNER THERMOSTAT>	52C	CONTACTOR	CZ	SURGE ABSORBER 3
NR61	VARISTOR	52C1	COMPRESSOR CONTACTOR		

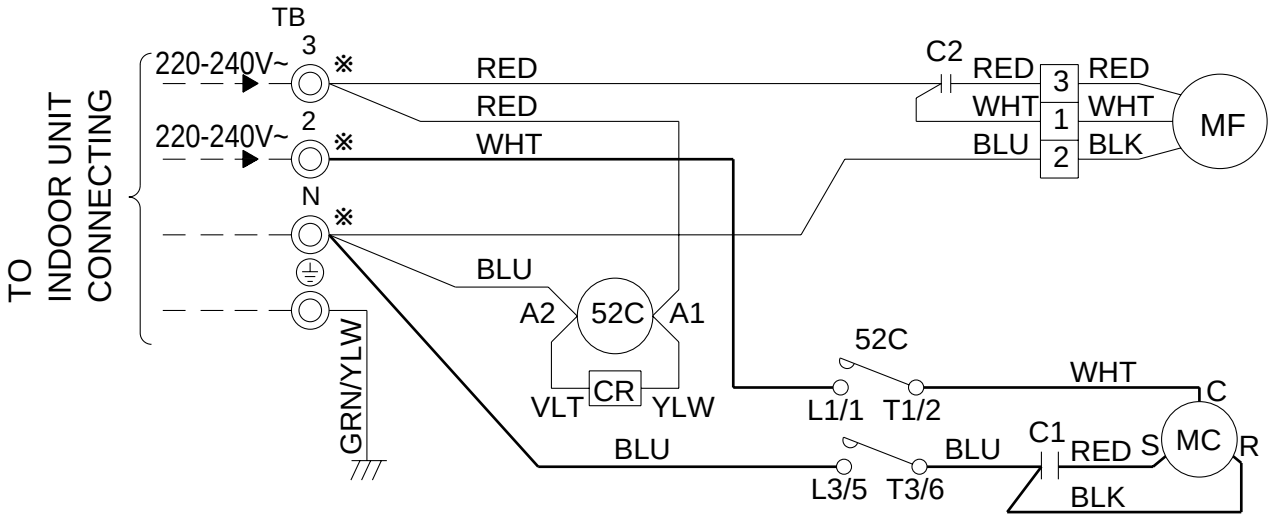
NOTE :1. Use copper conductors only. (For field wiring)

2. Since the indoor and outdoor unit connecting wires have polarity, connect them according to the numbers (N,2,3 and ⏚).
3. Symbols below indicate.
   ◎:Terminal block, □□□□ : Connector
4. "※" shows the terminals with a lock mechanism,so they cannot be removed when you pull the lead wire. Be sure to pull the wire by pushing the locking lever (projected part) of the terminal with a finger.



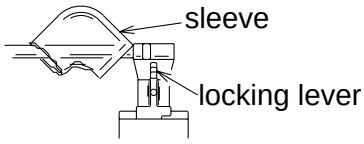
①Slide the sleeve.
②Pull the wire while pushing the locking lever.

SU-1VR.TH
SU-1VR.TH-T



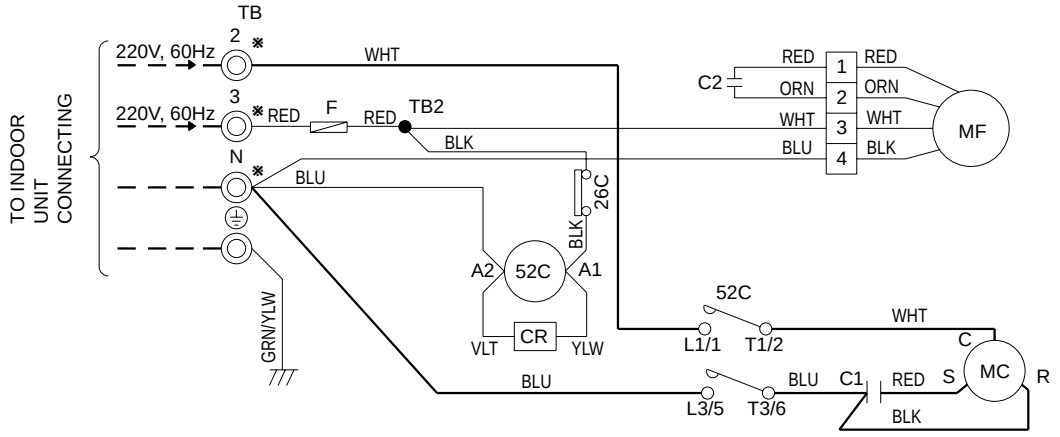
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CR	SURGE ABSORBER	MC	COMPRESSOR (INNER THERMOSTAT)	52C	COMPRESSOR CONTACTOR
C1	COMPRESSOR CAPACITOR	MF	FAN MOTOR (INNER THERMOSTAT)		
C2	FAN MOTOR CAPACITOR	TB	TERMINAL BLOCK		

NOTE :1. Use copper conductors only (For field wiring).
2. "※" shows the terminals with a lock mechanism, so they cannot be removed when you pull the lead wire.
Be sure to pull the lead wire by pushing the locking lever (projected part) of the terminal with a finger.



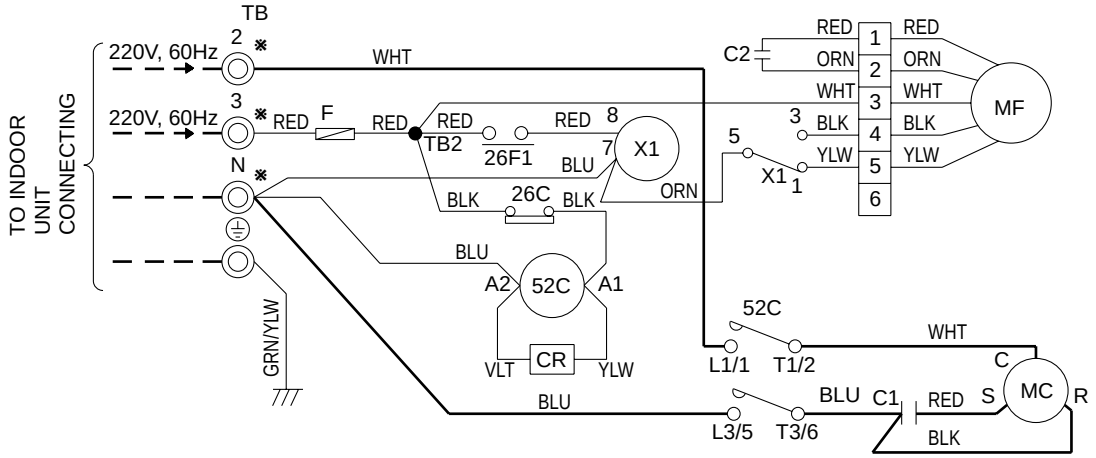
① Slide the sleeve.
② Pull the wire while pushing the locking lever.

SU-1.6NR.TH
SU-2NR.TH



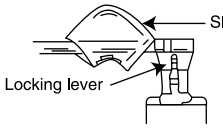
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CR	SURGE ABSORBER	MC	COMPRESSOR (INNER THERMOSTAT)	52C	COMPRESSOR CONTACTOR
C1	COMPRESSOR CAPACITOR	MF	FAN MOTOR (INNER THERMOSTAT)	26C	THERMAL SWITCH
C2	FAN MOTOR CAPACITOR	TB	TERMINAL BLOCK		
F	FUSE(2A)	TB2	TERMINAL BLOCK		

SU-2.5NR.TH



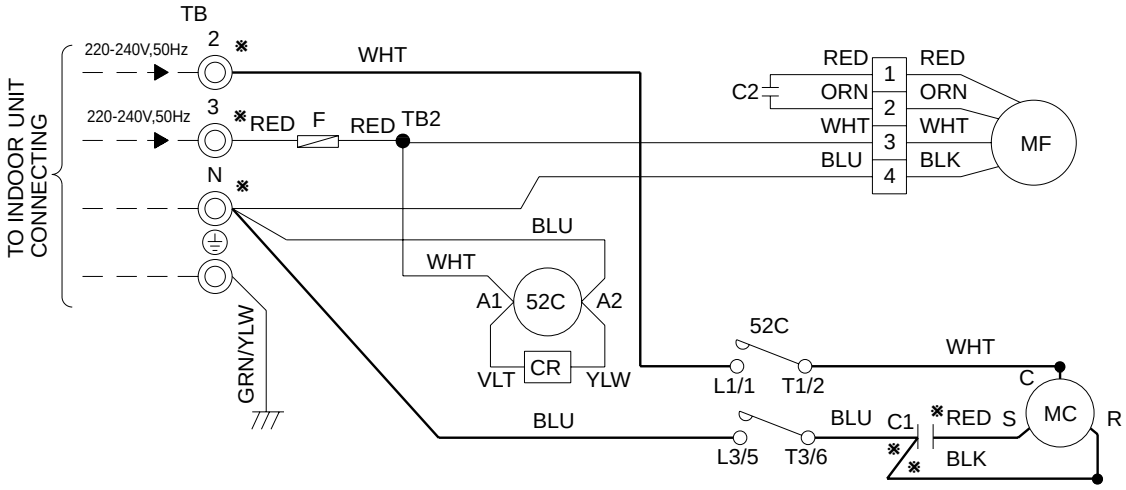
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CR	SURGE ABSORBER	MC	COMPRESSOR (INNER THERMOSTAT)	X1	FAN MOTOR RELAY
C1	COMPRESSOR CAPACITOR	MF	FAN MOTOR (INNER THERMOSTAT)	26F1	THERMAL LEAD SWITCH
C2	FAN MOTOR CAPACITOR	TB	TERMINAL BLOCK	52C	COMPRESSOR CONTACTOR
F	FUSE(2A)	TB2	TERMINAL BLOCK	26C	THERMAL SWITCH

NOTE :1. Use copper conductors only. (For field wiring)
2. Since the indoor and outdoor unit connecting wires have polarity, connect them according to the numbers (N,2,3 and ⏚).
3. Symbols below indicate.
◎:Terminal block, □□□□ : Connector
4. "※" shows the terminals with a lock mechanism,so they cannot be removed when you pull the lead wire. Be sure to pull the wire by pushing the locking lever (projected part) of the terminal with a finger.



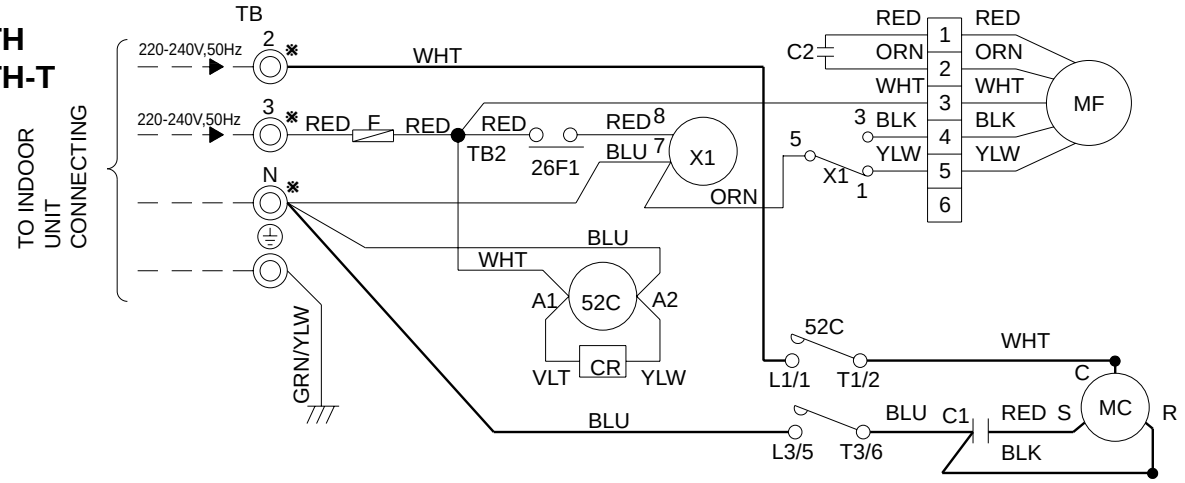
①Slide the sleeve.
②Pull the wire while pushing the locking lever.

SU-1.6VR.TH
SU-1.6VR2.TH
SU-2VR.TH
SU-2VR$_1$.TH
SU-1.6VR.TH-T
SU-1.6VR2.TH-T
SU-2VR.TH-T
SU-2VR$_1$.TH-T



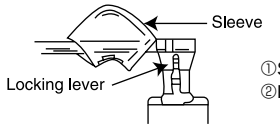
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CR	SURGE ABSORBER	MC	COMPRESSOR (INNER THERMOSTAT)	52C	COMPRESSOR CONTACTOR
C1	COMPRESSOR CAPACITOR	MF	FAN MOTOR (INNER THERMOSTAT)		
C2	FAN MOTOR CAPACITOR	TB	TERMINAL BLOCK		
F	FUSE(2A)	TB2	TERMINAL BLOCK		

SU-2.5VR.TH
SU-2.5VR.TH-T



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
CR	SURGE ABSORBER	MC	COMPRESSOR (INNER THERMOSTAT)	X1	FAN MOTOR RELAY
C1	COMPRESSOR CAPACITOR	MF	FAN MOTOR (INNER THERMOSTAT)	26F1	THERMAL LEAD SWITCH
C2	FAN MOTOR CAPACITOR	TB	TERMINAL BLOCK	52C	COMPRESSOR CONTACTOR
F	FUSE(2A)	TB2	TERMINAL BLOCK		

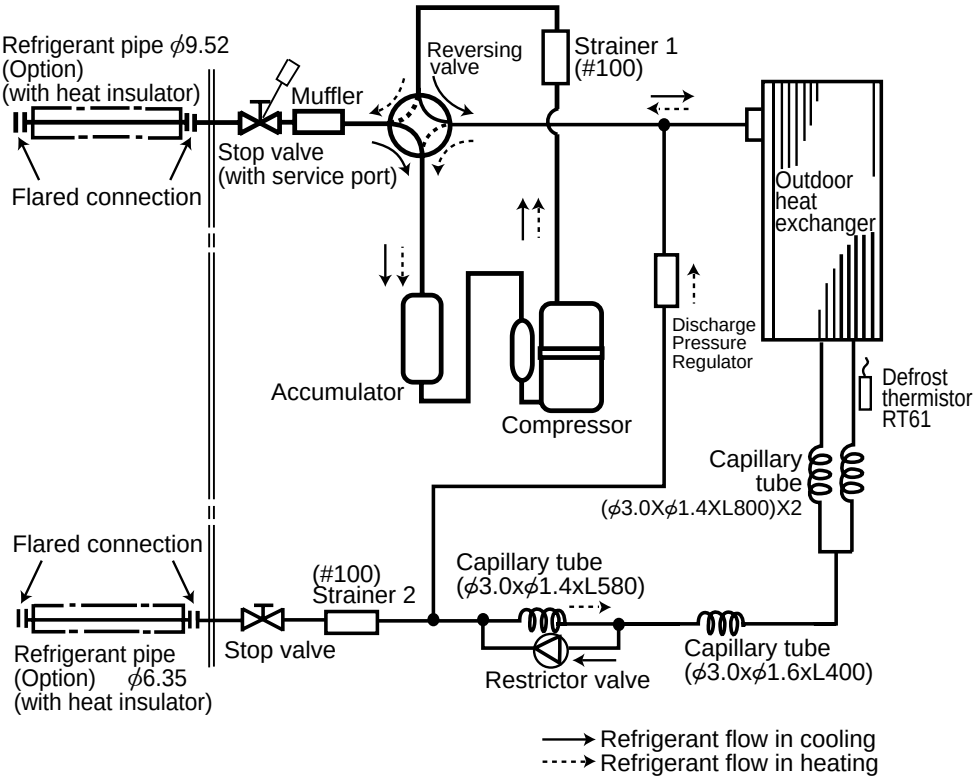
NOTE :1. Use copper conductors only. (For field wiring)
2. Since the indoor and outdoor unit connecting wires have polarity, connect them according to the numbers (N,2,3 and ⏚).
3. Symbols below indicate.
◎:Terminal block, □□□□ : Connector
4. "※" shows the terminals with a lock mechanism,so they cannot be removed when you pull the lead wire. Be sure to pull the wire by pushing the locking lever (projected part) of the terminal with a finger.



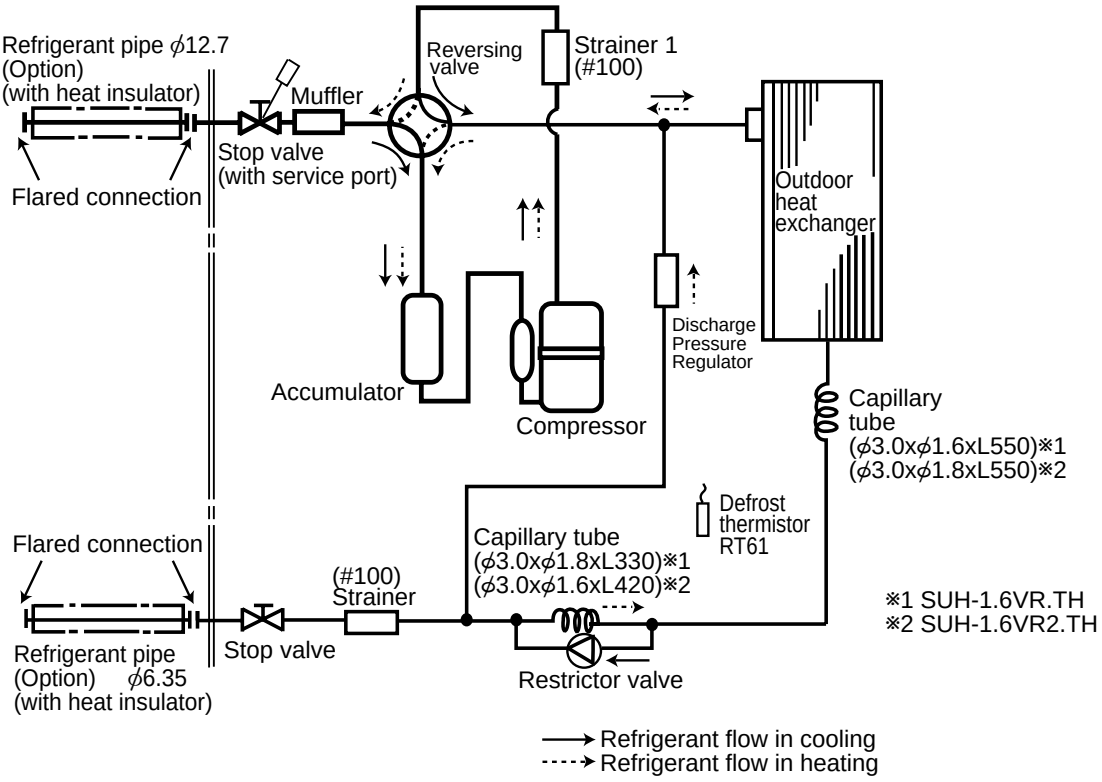
①Slide the sleeve.
②Pull the wire while pushing the locking lever.

8 REFRIGERANT SYSTEM DIAGRAM

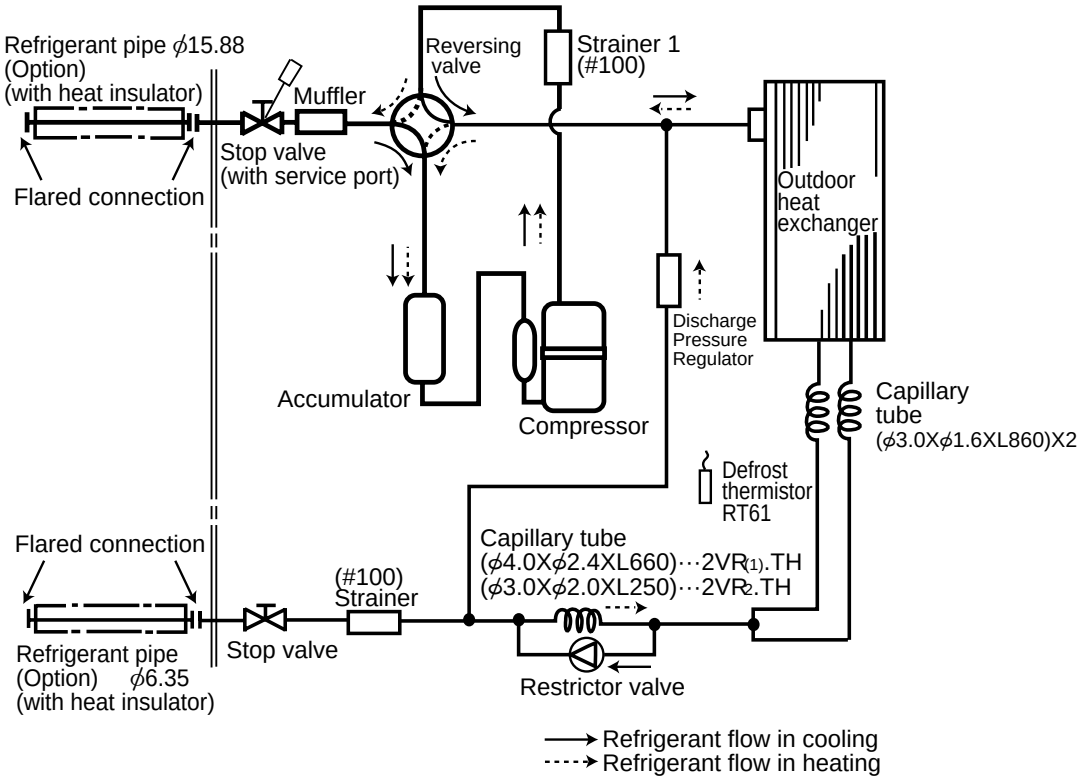
SUH-1VR.TH



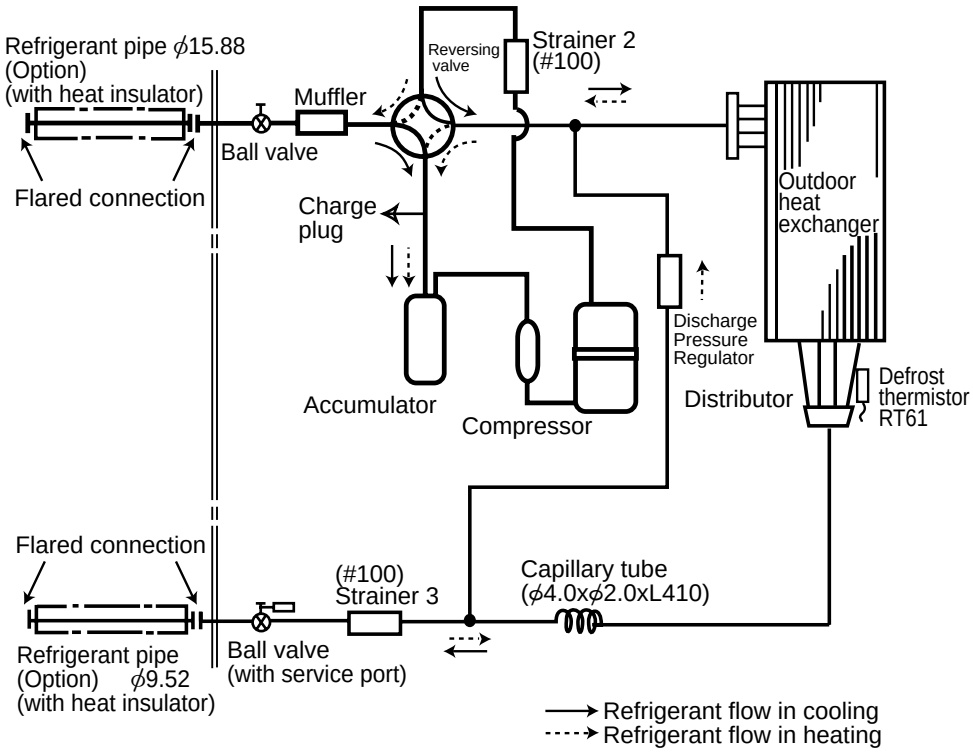
SUH-1.6VR.TH
SUH-1.6VR2.TH



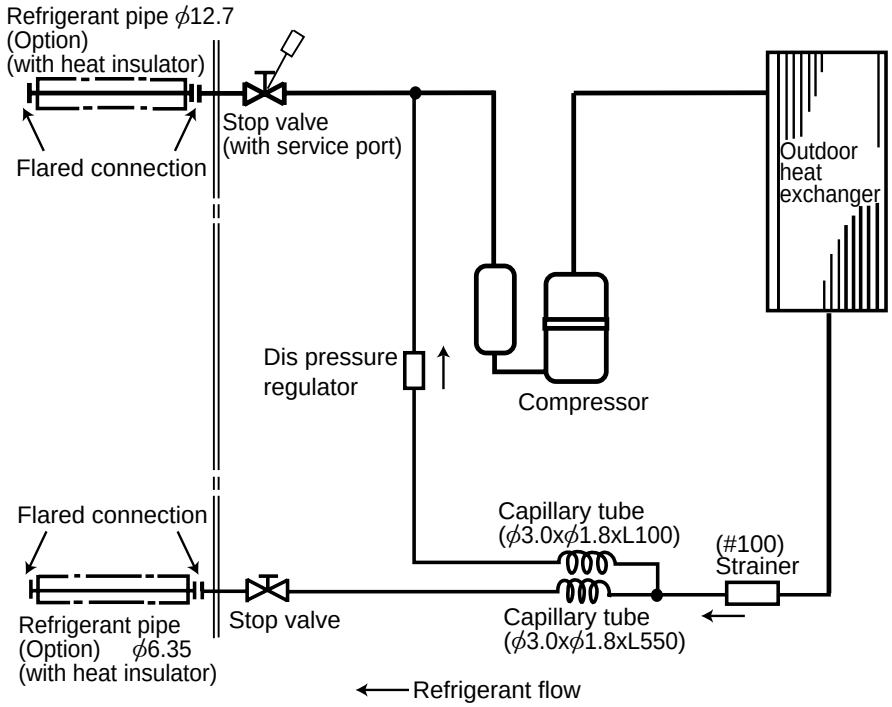
SUH-2VR.TH
SUH-2VR1.TH
SUH-2VR2.TH



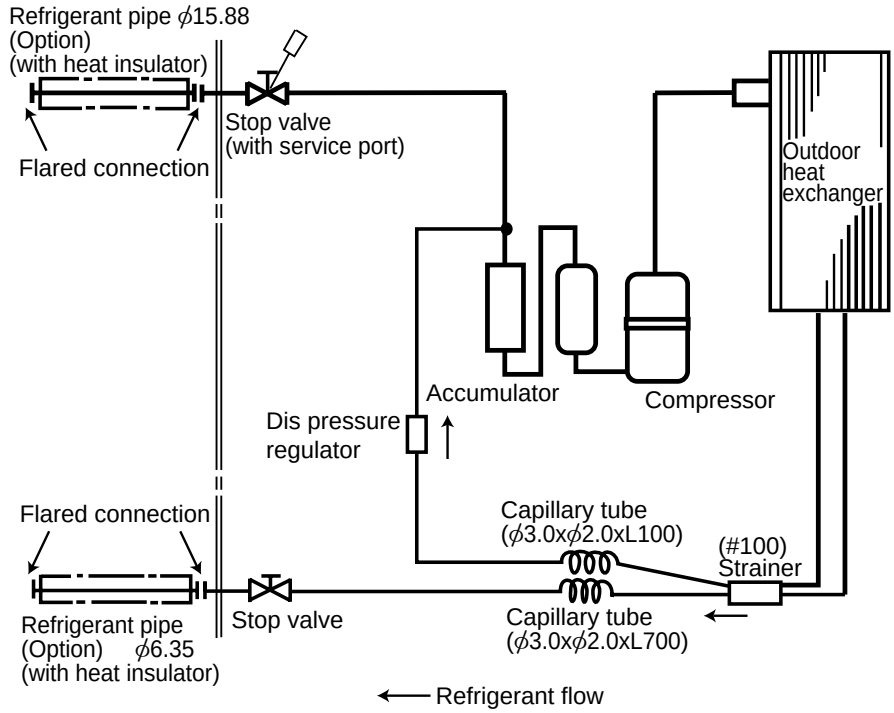
SUH-2.5VR.TH



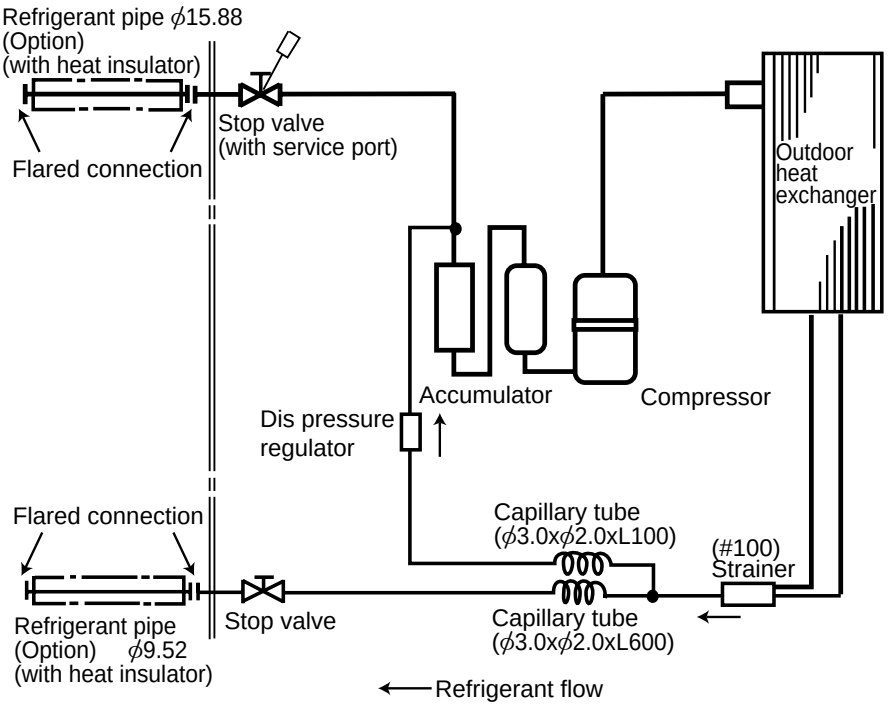
SU-1.6NR.TH



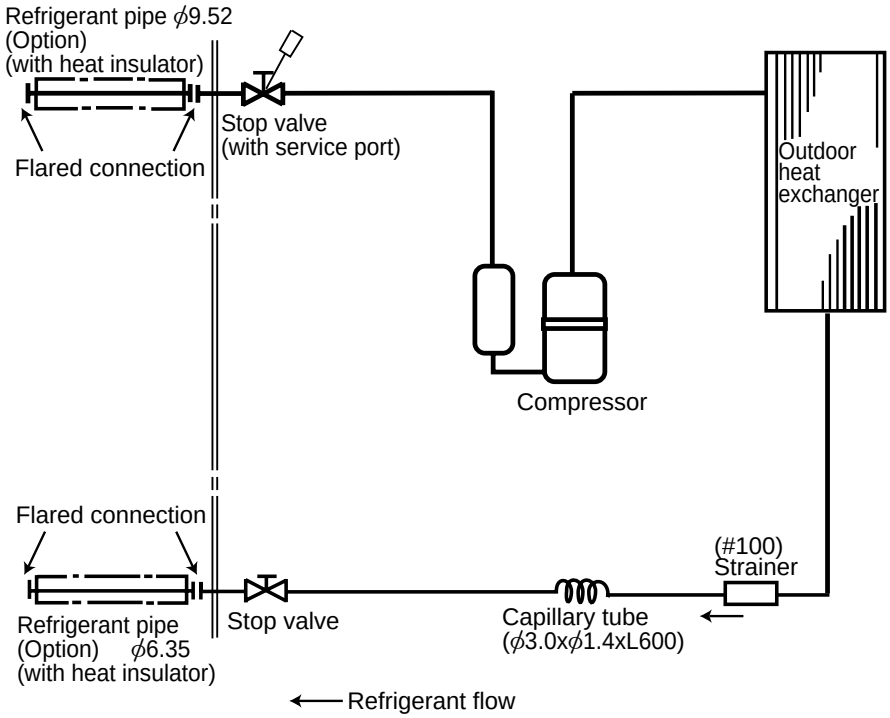
SU-2NR.TH



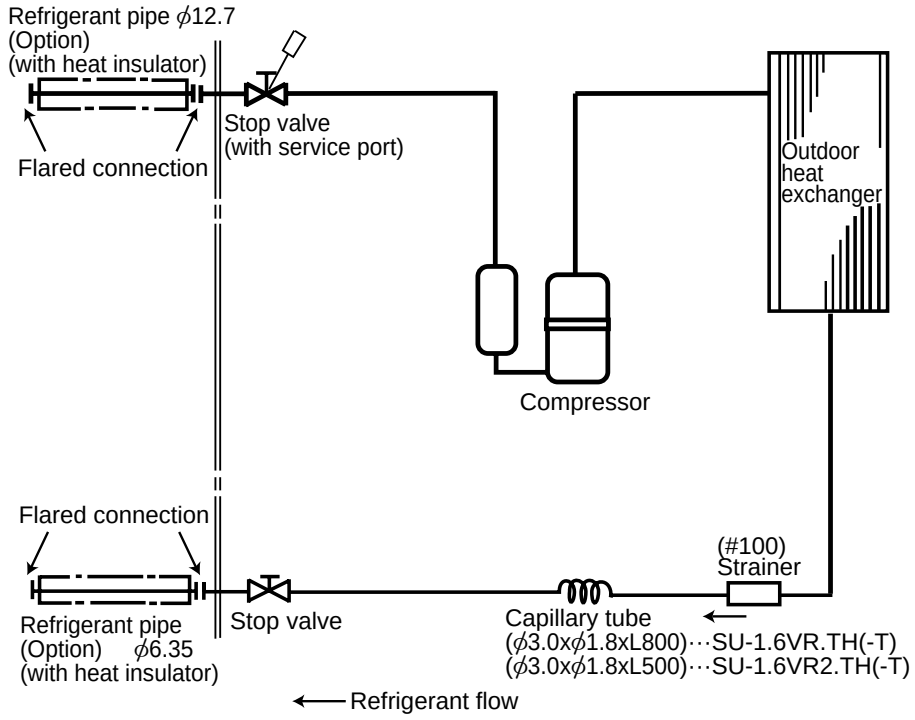
SU-2.5NR.TH



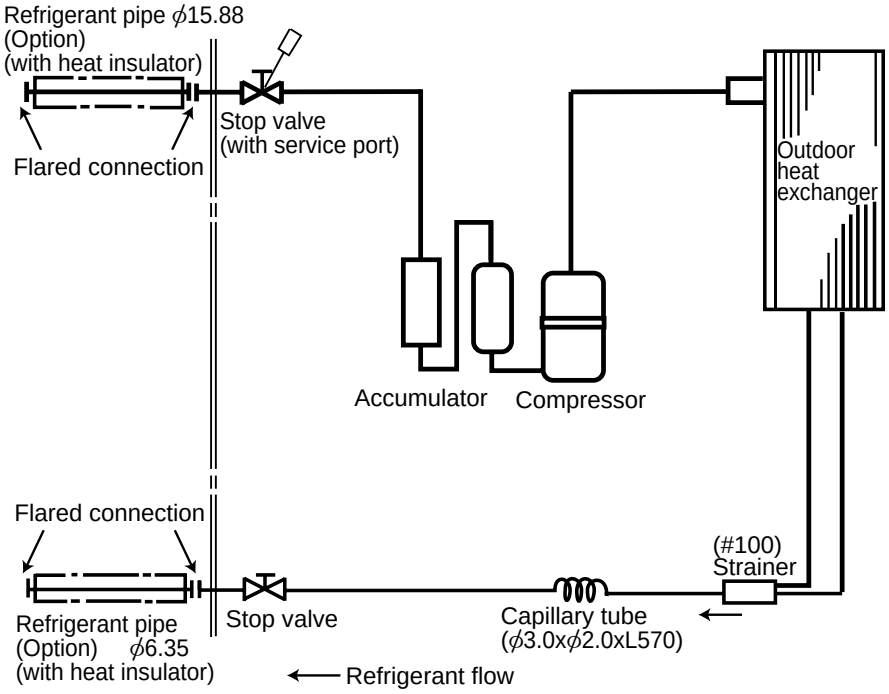
SU-1VR.TH
SU-1VR.TH -T



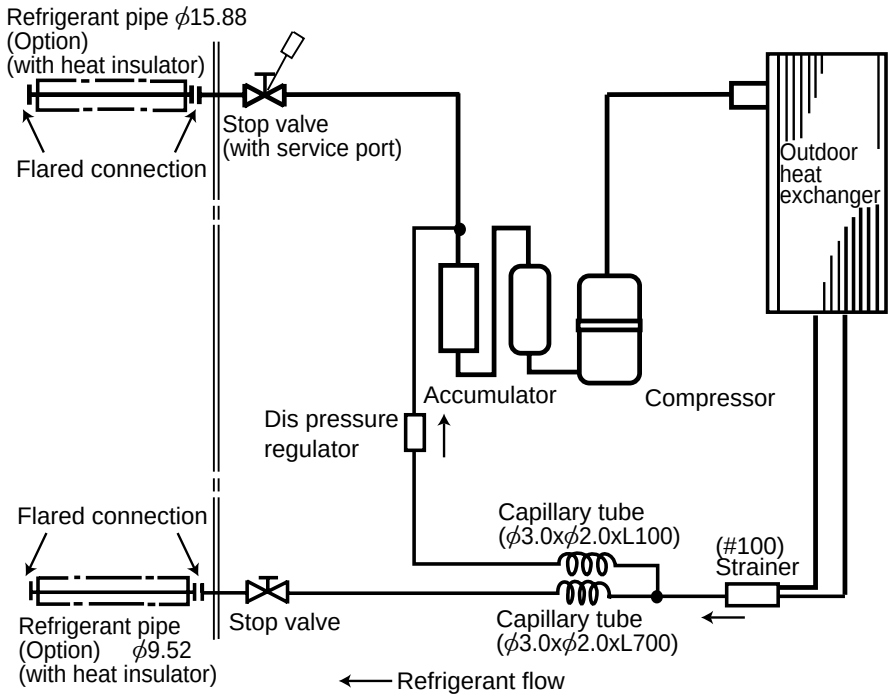
SU-1.6VR.TH
SU-1.6VR2.TH
SU-1.6VR.TH-T
SU-1.6VR2.TH-T



SU-2VR.TH
SU-2VR1.TH
SU-2VR.TH-T
SU-2VR1.TH-T

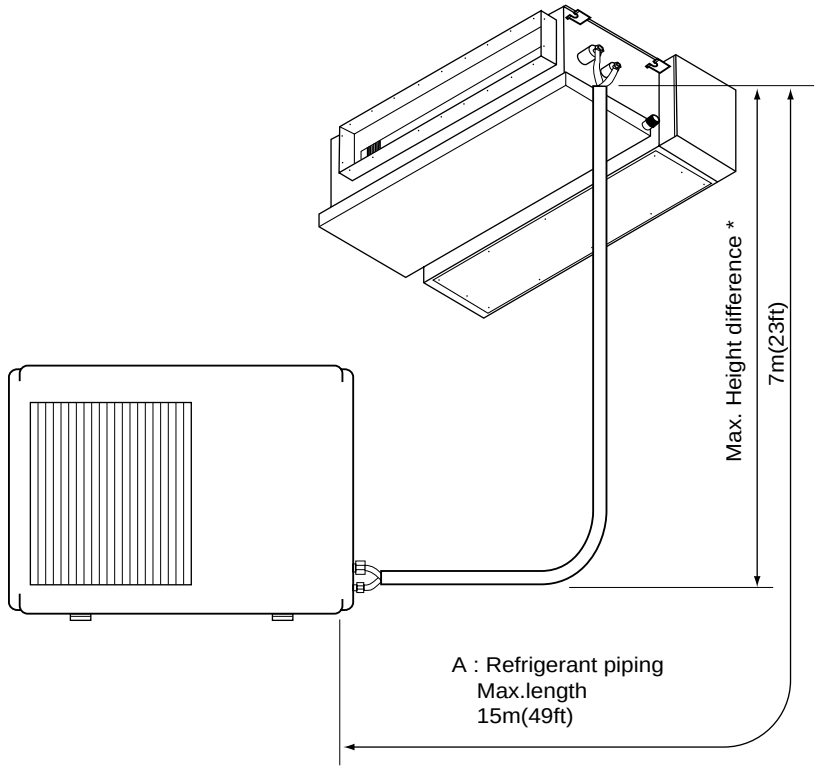


SU-2.5VR.TH
SU-2.5VR.TH-T



MAX. REFRIGERANT PIPING LENGTH & MAX. HEIGHT DIFFERENCE

Service Ref.		Length : m(ft)	Piping size O.D. : mm (in.)	
Indoor unit	Outdoor unit	A	Gas	Liquid
SEH-1.6AR.TH SEH-1.6AR$_1$.TH SE-1.6AR.TH SE-1.6AR$_1$.TH SE-1.6AR.TH-T SE-1.6AR$_1$.TH-T	SUH-1.6VR.TH SUH-1.6VR2.TH SU-1.6NR.TH SU-1.6VR.TH SU-1.6VR2.TH SU-1.6VR.TH-T SU-1.6VR2.TH-T	15(49)	ϕ12.7(1/2)	ϕ6.35(1/4)
SEH-2AR.TH SE-2AR.TH SE-2AR.TH-T	SUH-2VR.TH SUH-2VR$_1$.TH SUH-2VR$_2$.TH SU-2NR.TH SU-2VR.TH SU-2VR$_1$.TH SU-2VR.TH-T SU-2VR$_1$.TH-T		ϕ15.88(5/8)	
SEH-2.5AR.TH SE-2.5AR.TH SE-2.5AR.TH-T	SUH-2.5VR.TH SU-2.5NR.TH SU-2.5VR.TH SU-2.5VR.TH-T			ϕ9.52(3/8)



ADDITIONAL REFRIGERANT CHARGE (R-22 : g)

If pipe length exceeds 7m, additional refrigerant (Freon 22) charge is required **(g)**

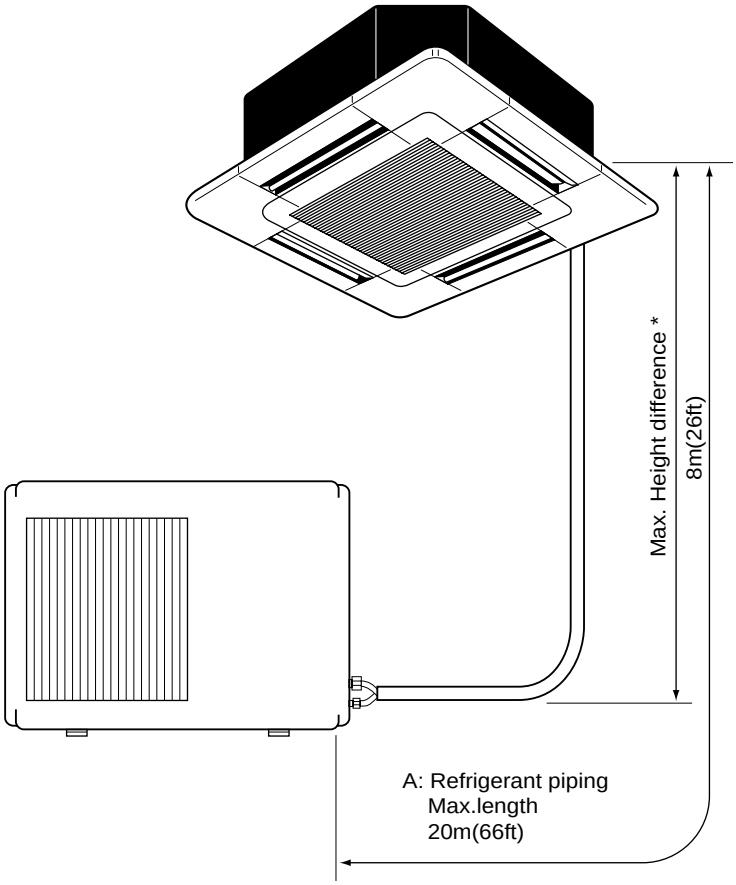
Service Ref.		Outdoor unit precharged (up to 7m)	Refrigerant piping length (one way)								
Indoor unit	Outdoor unit		7m	8m	9m	10m	11m	12m	13m	14m	15m
SEH-1.6AR.TH	SUH-1.6VR.TH	1650	0	50	100	150	200	250	300	350	400
SEH-1.6AR$_1$.TH	SUH-1.6VR2.TH	1400									
SEH-2AR.TH	SUH-2VR.TH SUH-2VR$_1$.TH SUH-2VR$_2$.TH	1800									
SEH-2.5AR.TH	SUH-2.5VR.TH	2400		65	130	195	260	325	390	455	520
SE-1.6AR.TH SE-1.6AR$_1$.TH SE-1.6AR.TH-T SE-1.6AR$_1$.TH-T	SU-1.6NR.TH SU-1.6VR.TH SU-1.6VR2.TH SU-1.6VR.TH-T SU-1.6VR2.TH-T	900	0	15	30	45	60	75	90	105	120
SE-2AR.TH	SU-2NR.TH	1650									
SE-2AR.TH SE-2AR.TH-T	SU-2VR.TH SU-2VR$_1$.TH SU-2VR.TH-T SU-2VR$_1$.TH-T	1600									
SE-2.5AR.TH SE-2.5AR.TH-T	SU-2.5VR.TH SU-2.5NR.TH SU-2.5VR.TH-T	2150									

Calculation : (SEH-2.5AR)×g=65g/m×(Refrigerant piping length minus 7m)
(SEH-1.6/2AR)×g=50g/m×(Refrigerant piping length minus 7m)
(SE-)×g=15g/m×(Refrigerant piping length minus 7m)

MAX. REFRIGERANT PIPING LENGTH & MAX. HEIGHT DIFFERENCE

Models		Length : m(ft)	Piping size O.D. : mm (in.)	
Indoor unit	Outdoor unit	A	Gas	Liquid
SLH-1AR.TH SL-1AR.TH SL-1AR.TH-T	SUH-1VR.TH SU-1VR.TH SU-1VR.TH-T	20(66)	ϕ9.52(3/8)	ϕ6.35(1/4)
SLH-1.6AR.TH SL-1.6AR.TH SL-1.6AR.TH-T	SUH-1.6VR2.TH SU-1.6VR2.TH SU-1.6VR2.TH-T		ϕ12.7(1/2)	
SLH-2AR.TH SL-2AR.TH SL-2AR.TH-T	SUH-2VR1.TH, SUH-2VR2.TH SU-2VR1.TH SU-2VR1.TH-T		ϕ15.88(5/8)	

※It does not matter which unit is higher.



ADDITIONAL REFRIGERANT CHARGE (R-22 : g)

If pipe length exceeds 7m, additional refrigerant (Freon 22) charge is required

(g)

Models		Outdoor unit precharged (up to 7m)	Refrigerant piping length (one way)													
Indoor unit	Outdoor unit		7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
SLH-1AR.TH	SUH-1VR.TH	800	0	25	50	75	100	125	150	175	200	225	250	275	300	325
SLH-1.6AR.TH	SUH-1.6VR2.TH	1,400	0	50	100	150	200	250	300	350	400	450	500	550	600	650
SLH-2AR.TH	SUH-2VR1.TH SUH-2VR2.TH	1,800														
SL-1AR.TH, SL-1AR.TH-T	SU-1VR.TH, SU-1VR.TH-T	800	0	15	30	45	60	75	90	105	120	135	150	165	180	195
SL-1.6AR.TH, SL-1.6AR.TH-T	SU-1.6VR2.TH, SU-1.6VR2.TH-T	900														
SL-2AR.TH, SL-2AR.TH-T	SU-2VR1.TH, SU-2VR1.TH-T	1,600														

Calculation : (SLH-1AR)×g=25g/m×(Refrigerant piping length minus 7m)
(SLH-1.6/2AR)×g=50g/m×(Refrigerant piping length minus 7m)
(SL-1/1.6/2AR)×g=15g/m×(Refrigerant piping length minus 7m)

EVACUATION PROCEDURES

Connect the refrigerant pipes (both the liquid and gas pipes) between the indoor and the outdoor units.

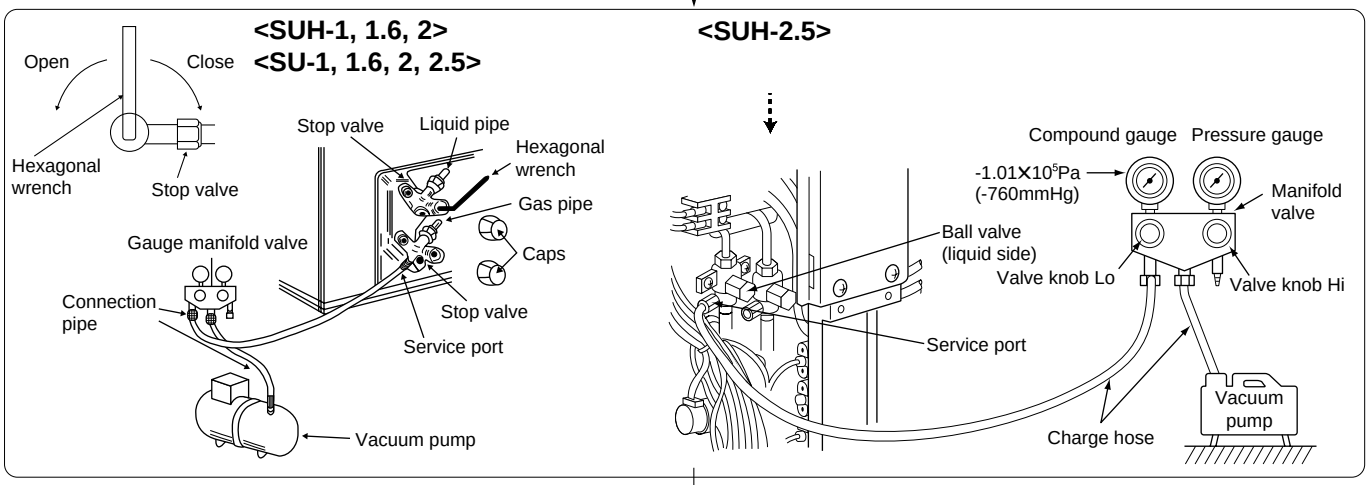
Remove the service port cap of the stop/ball valve.
(The stop/ball valve will not work in its initial state fresh out of the factory (totally closed with cap on).)

Connect the gauge manifold valve and the vacuum pump to the service port of the stop/ball valve .

Run the vacuum pump. (Vacuumize for more than 15 minutes.)

Check the vacuum with the gauge manifold valve, then close the gauge manifold valve, and stop the vacuum pump.

Leave as it is for one or two minutes. Make sure the pointer of the gauge manifold valve remains in the same position. Confirm that the pressure gauge show-0.1MPa(-79cmHg)



Remove the gauge manifold valve quickly from the service port of the stop/ball valve.

After refrigerant pipes are connected and evacuated, fully open all stop/ball valves on gas and liquid pipe sides.
Operating without fully opening lowers the performance and causes trouble.

Pipe length :
7m maximum
No gas charge is needed.

Pipe length
exceeding 7m
Charge the prescribed amount of gas.

Tighten the cap to the service port to obtain the initial status.

Retighten the cap.

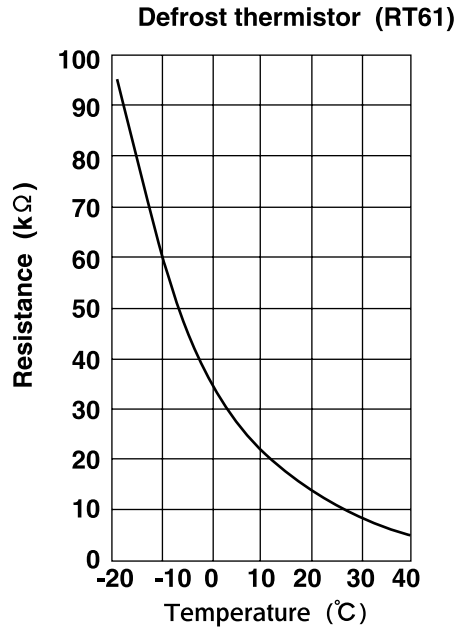
Leak test

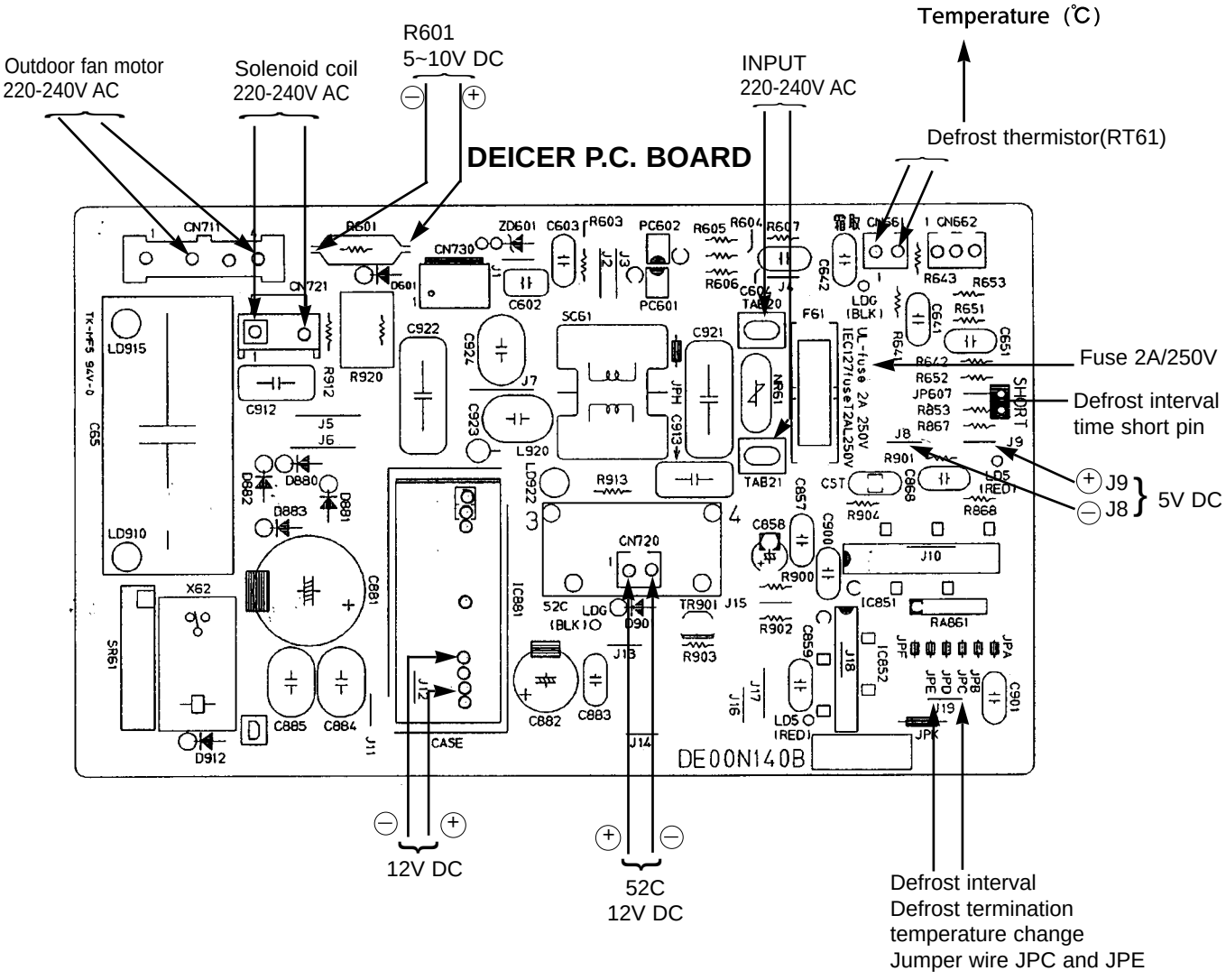
9 TROUBLESHOOTING

9-1. Test point of P.C. board

•Deicer P.C. board

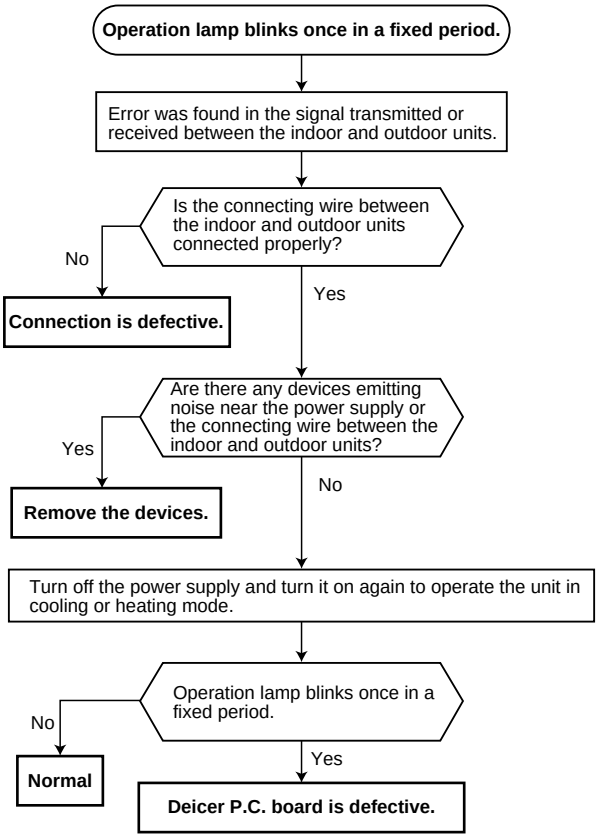
SUH-1VR.TH
SUH-1.6VR.TH
SUH-1.6VR2.TH
SUH-2VR.TH
SUH-2VR1.TH
SUH-2VR2.TH
SUH-2.5VR.TH

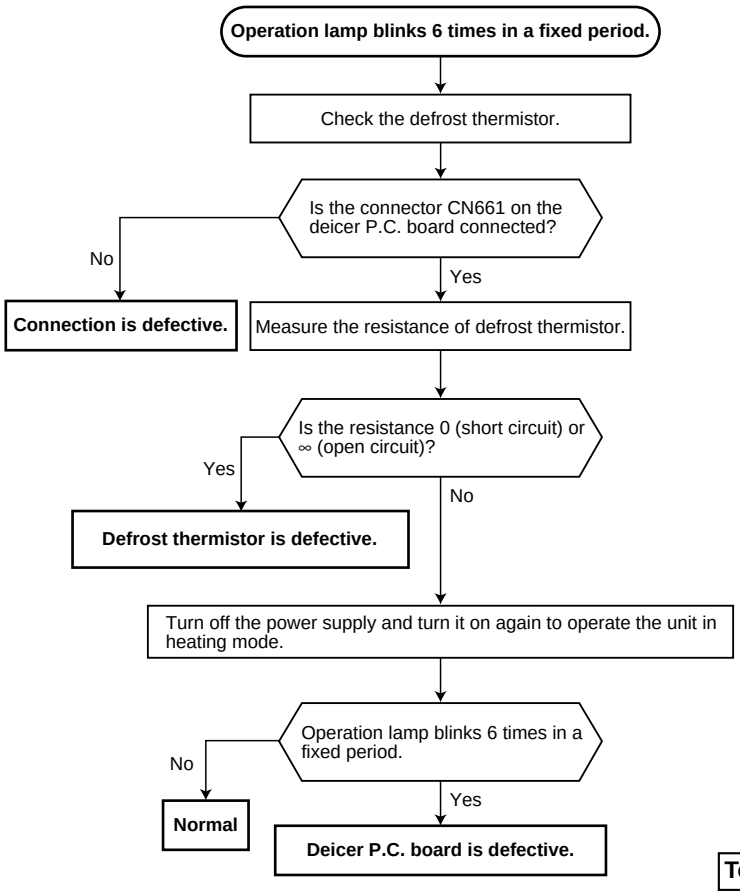




Check of deicer P.C. board and outdoor fan motor

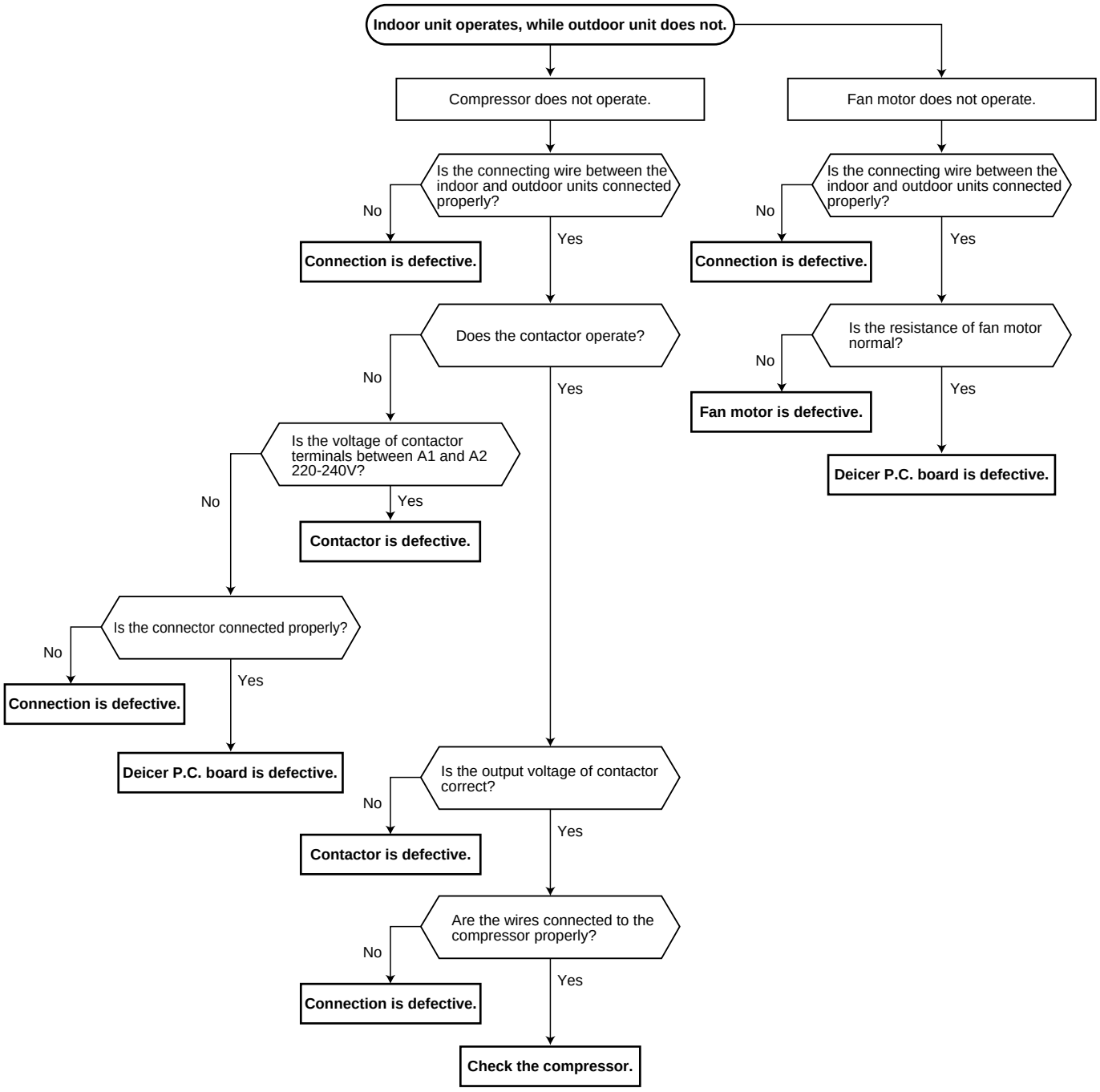
SUH-1VR.TH
SUH-1.6VR.TH
SUH-1.6VR2.TH
SUH-2VR.TH
SUH-2VR1.TH
SUH-2VR2.TH
SUH-2.5VR.TH





To be continued on the next page.

From the preceding page.



9-2. Trouble criterion of main parts

SUH-1VR.TH **SUH-1.6VR.TH** **SUH-2VR.TH** **SUH-2.5VR.TH**
SUH-1.6VR2.TH **SUH-2VR$_1$.TH**
SUH-2VR$_2$.TH
SU-1.6NR.TH **SU-2NR.TH** **SU-2.5NR.TH**
SU-1VR.TH **SU-1.6VR.TH** **SU-2VR.TH** **SU-2.5VR.TH**
SU-1.6VR2.TH **SU-2VR$_1$.TH**
SU-1VR.TH-T **SU-1.6VR.TH-T** **SU-2VR.TH-T** **SU-2.5VR.TH-T**
SU-1.6VR2.TH-T **SU-2VR$_1$.TH-T**

Defrost thermistor (Outdoor)

Measure the resistance with a tester.
(Part temperature 10°C ~ 40°C)

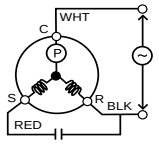
Normal	Abnormal
5kΩ~60kΩ	Opened or short-circuited

Compressor

Measure the resistance between the terminal with a tester.
(Coil wiring temperature 10°C ~ 40°C)

	Normal					Abnormal
	SUH-					
	1VR	1.6VR	1.6VR2	2VR, 2VR$_1$, 2VR$_2$	2.5VR	
C-R	2.9~3.6Ω	1.9~2.3Ω	1.6~2.0Ω	0.9~1.2Ω	0.8~1.0Ω	Opened or
C-S	5.1~6.3Ω	2.4~4.2Ω	2.6~3.2Ω	2.0~2.4Ω	1.8~2.2Ω	short-circuited

	Normal							Abnormal
	SU-							
	1	1.6			2		2.5	
	VR	NR	VR	VR2	NR	VR, VR$_1$	NR	VR
C-R	2.9~3.6Ω	1.5~1.9Ω	1.9~2.3Ω	1.6~2.0Ω	0.8~1.0Ω	0.9~1.2Ω	0.7~0.9Ω	0.8~1.0Ω	Opened or
C-S	5.1~6.3Ω	2.4~3.0Ω	3.4~4.2Ω	2.6~3.2Ω	1.7~2.1Ω	2.0~2.4Ω	1.6~2.0Ω	1.8~2.2Ω	short-circuited



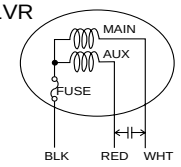
Outdoor fan motor

Measure the resistance between the terminals with a tester.
(Coil wiring temperature -10°C ~ 40°C)

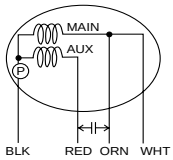
	Normal				Abnormal
	SUH-				
	1VR	1.6VR, 1.6VR2	2VR, 2VR$_1$, 2VR$_2$	2.5VR	
WHT-BLK	311~381Ω	115~141Ω	102~126Ω	55~68Ω	Opened or
BLK-RED	283~347Ω	118~146Ω	98~120Ω	—	
BLK-YLW	—	—	—	27~33Ω	short-circuited
YLW-RED	—	—	—	55~68Ω	

	Normal				Abnormal
	SU-				
	1	1.6	2	2.5	
	VR	NR, VR, VR2	NR, VR, VR$_1$	NR, VR	
WHT-BLK	311~381Ω	115~141Ω	102~126Ω	72~88Ω	Opened or
BLK-RED	283~347Ω	118~146Ω	98~120Ω	90~110Ω	
BLK-YLW	—	—	—	81~99Ω	short-circuited

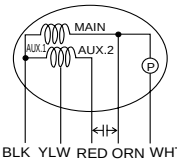
1VR



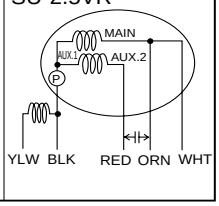
1.6, 2NR
1.6, 2VR
1.6VR2, 2VR$_1$, 2VR$_2$



SUH-2.5VR



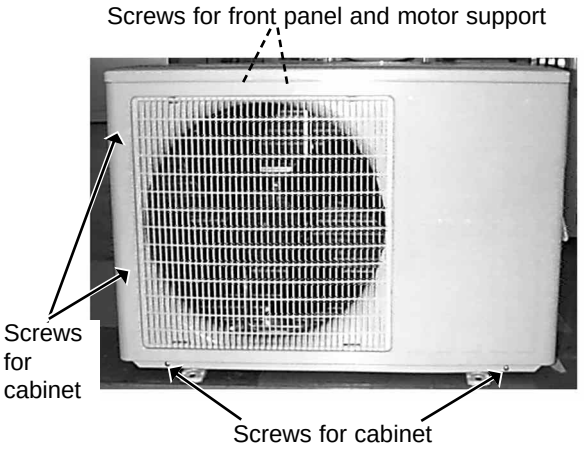
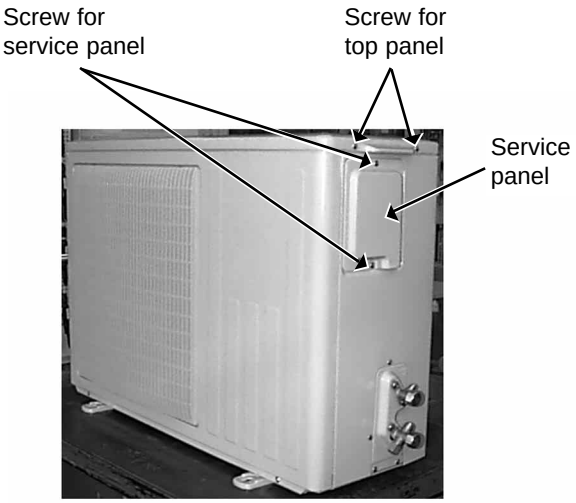
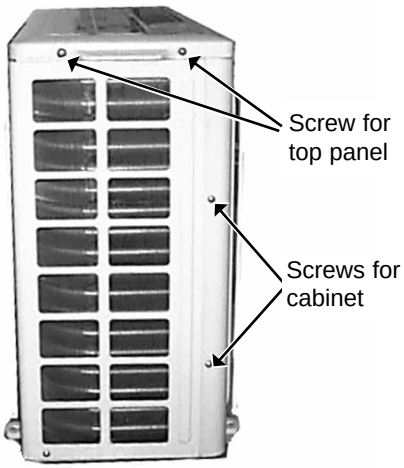
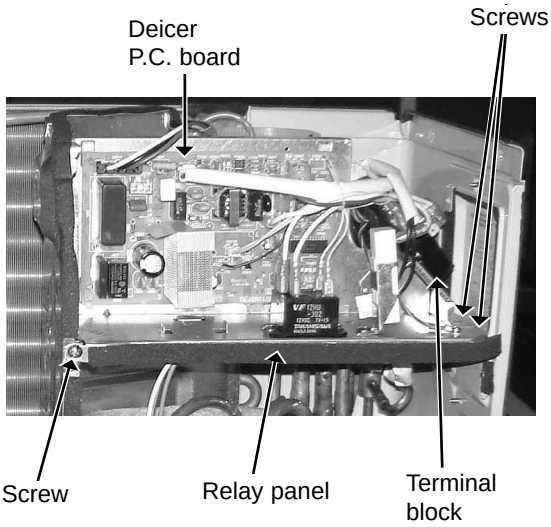
SU-2.5NR
SU-2.5VR

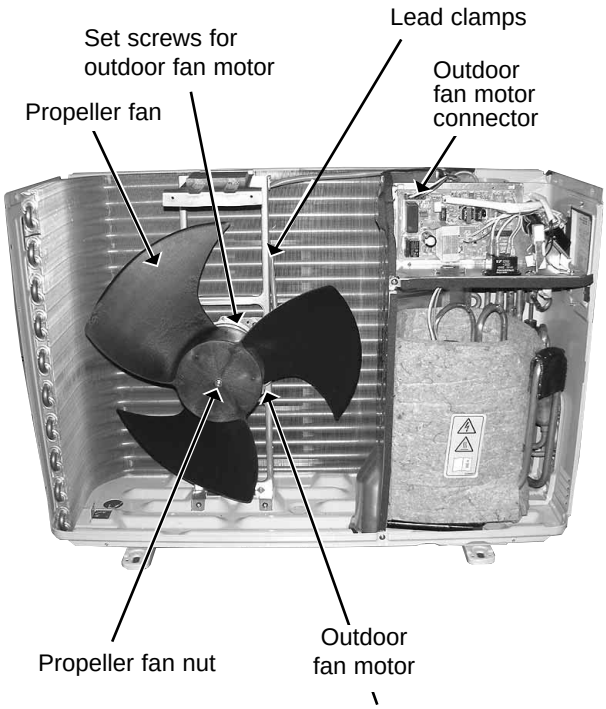
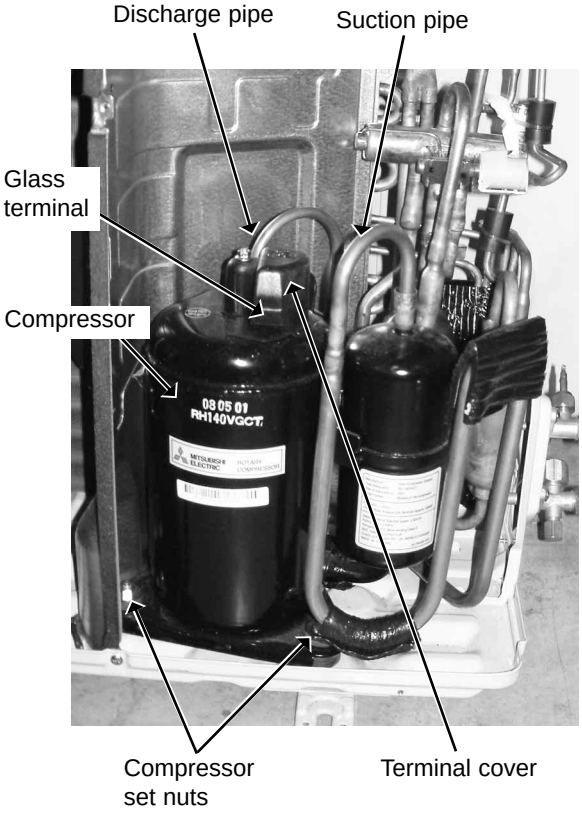


ⓟ: Inner protector

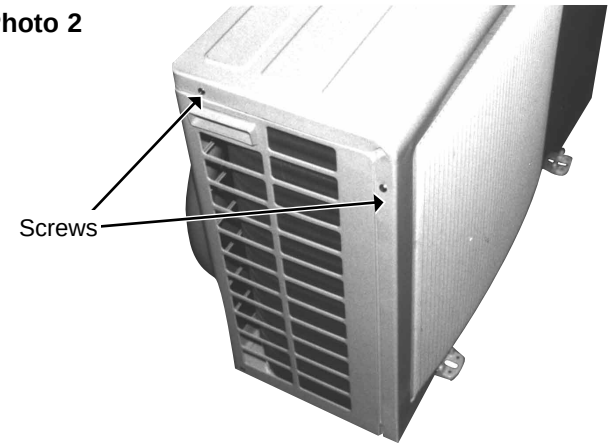
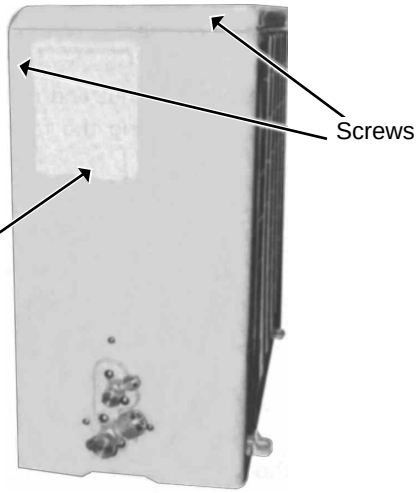
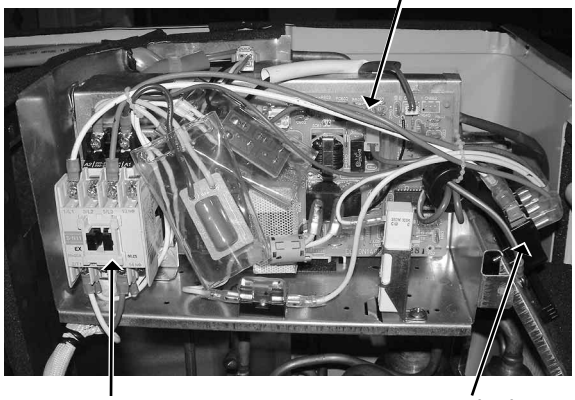
10 DISASSEMBLY PROCEDURE

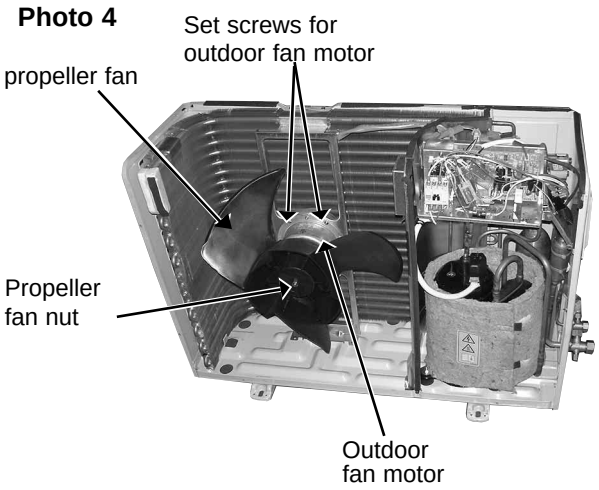
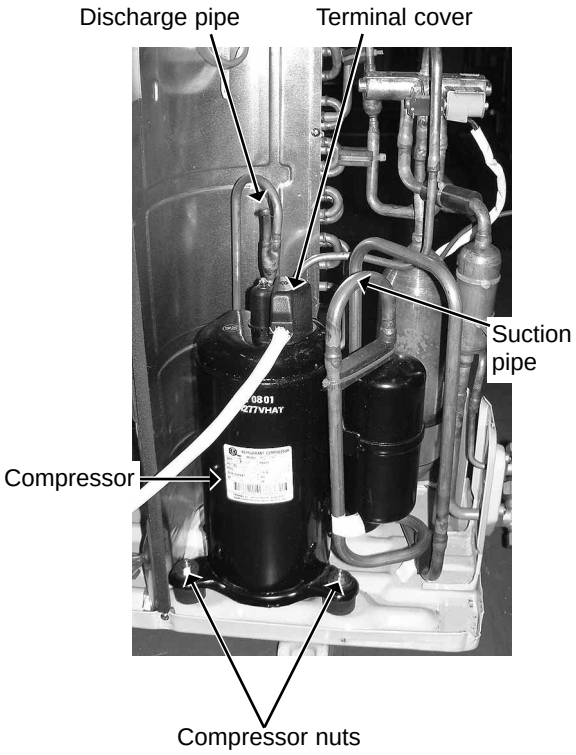
SUH-1VR.TH

OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet (1) Remove the screws for the top panel. (2) Remove the screw for the service panel. (3) Remove the screws for the cabinet. (4) Remove the screws for the front panel and motor support. (5) Remove the service panel, and remove the screw from the insides. (6) Remove the top panel. (7) Remove the cabinet.	**Photo 1** 
Photo 3  	**Photo 2** 
2. Removing the deicer P.C. board (1) Remove the service panel and the cabinet. (2) Disconnect all the connectors and the terminals on the deicer P.C. board. (3) Remove the deicer P.C. board.	**Photo 4** 

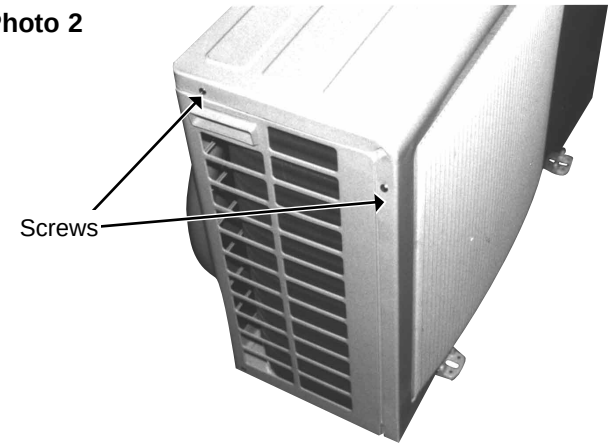
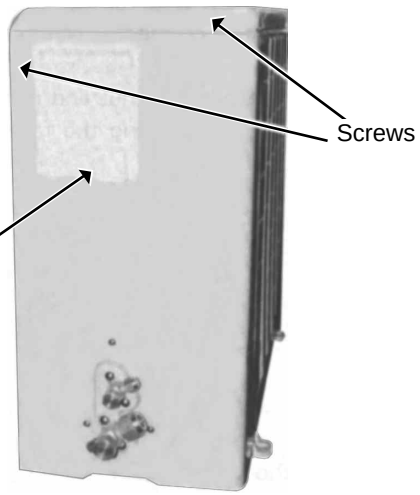
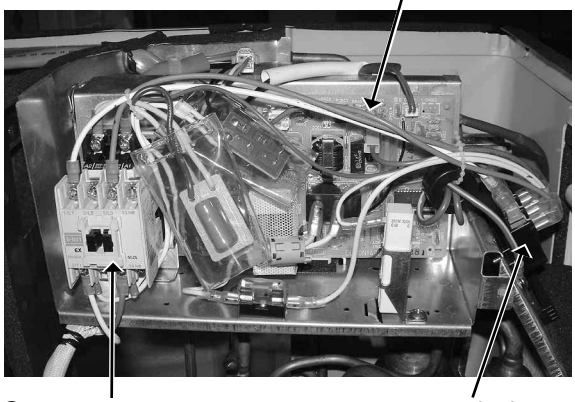
OPERATING PROCEDURE	PHOTOS
3. Removing the propeller fan and the outdoor fan motor (1) Remove the cabinet. (Refer to 1.) (2) Remove the propeller fan nut. (3) Remove the propeller fan. **NOTE : Loose the propeller fan in the rotating direction for removal.** When attaching the propeller fan, align the mark on the propeller fan and the motor shaft cut section. Set the propeller fan in position by using the cut on the shaft and the mark on the propeller fan. (4) Remove lead clamps and disconnect the outdoor fan motor connector. (5) Remove screws fixing the fan motor. (6) Remove the outdoor fan motor.	**Photo 5** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 6** 

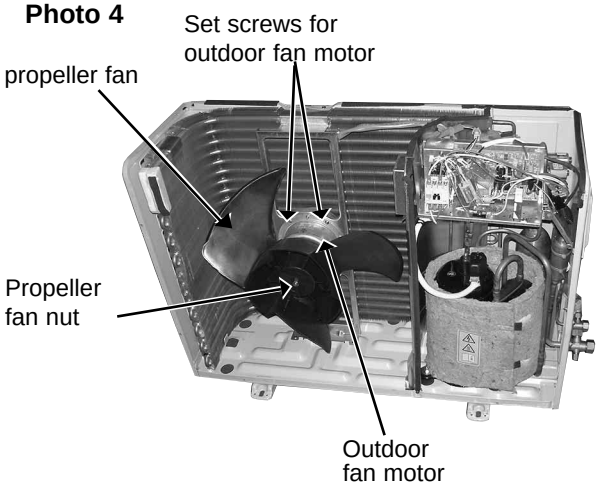
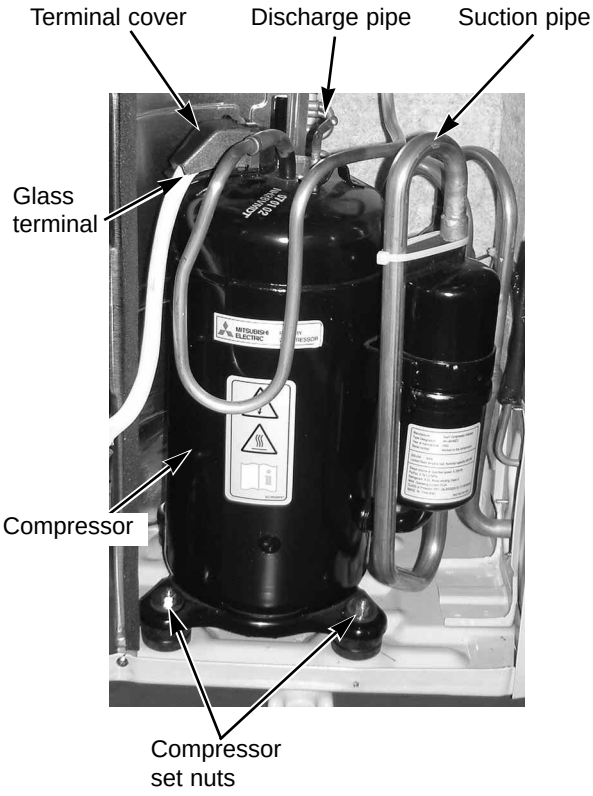
SUH-1.6VR2.TH

OPERATING PROCEDURE	PHOTOS
1. Removing the front panel (1) Remove the screws of the front panel. (2) Hold the bottom of the front panel on the both side to remove the cabinet. **Photo 2**  	**Photo 1** 
2. Removing the deicer P.C. board (1) Remove the service panel and the front panel. (2) Disconnect all the connectors and the terminals on the deicer P.C. board. (3) Remove the deicer P.C. board.	**Photo 3** 

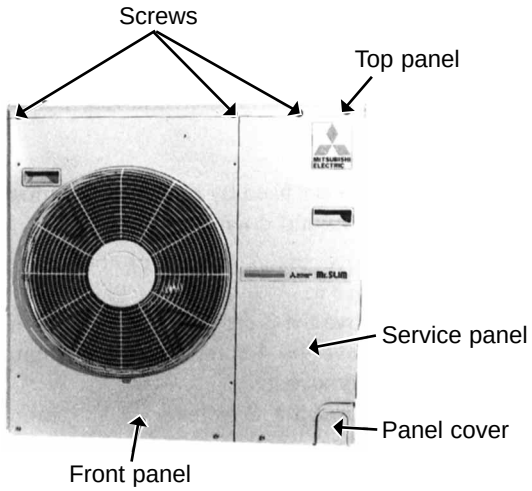
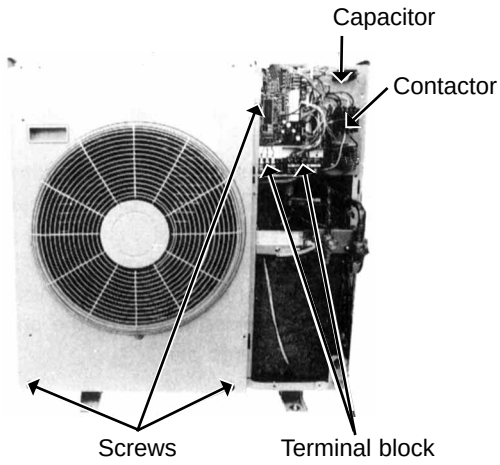
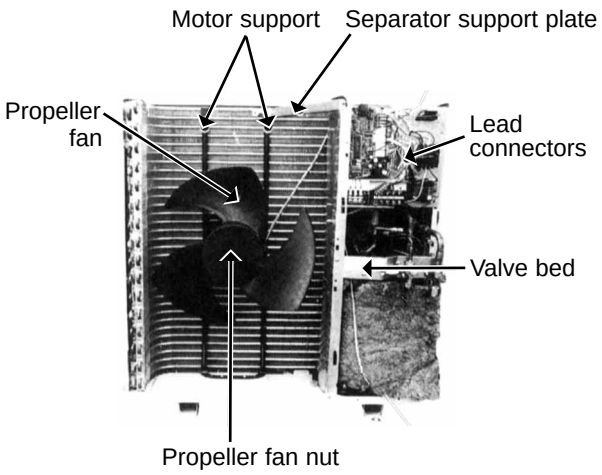
OPERATING PROCEDURE	PHOTOS
3. Removing the outdoor fan motor (1) Remove the front panel. (Refer to 1) (2) Unconnect the connector remove the clamp of fan motor lead wire. (3) Remove the propeller nut and remove the propeller fan. (4) Remove screws fixing the fan motor.	**Photo 4** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 5** 

SUH-2VR1.TH SUH-2VR2.TH

OPERATING PROCEDURE	PHOTOS
1. Removing the front panel (1) Remove the screws of the front panel. (2) Hold the bottom of the front panel on the both side to remove the cabinet. **Photo 2**  	**Photo 1** 
2. Removing the deicer P.C. board (1) Remove the service panel and the front panel. (2) Disconnect all the connectors and the terminals on the deicer P.C. board. (3) Remove the deicer P.C. board.	**Photo 3** 

OPERATING PROCEDURE	PHOTOS
3. Removing the outdoor fan motor (1) Remove the front panel. (Refer to 1) (2) Unconnect the connector remove the clamp of fan motor lead wire. (3) Remove the propeller nut and remove the propeller fan. (4) Remove screws fixing the fan motor.	**Photo 4** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 5** 

SUH-2.5VR.TH

OPERATING PROCEDURE	PHOTOS
1. Removing the electrical parts (1) Remove the 5 screws and the top panel. (3 screws in front and 2 screws in rear) (2) Remove the screw of the cover panel. To remove the cover panel, pull it toward you and unhook the catches from the side panel. (3) Remove the screw of the service panel. To remove the service panel, pull it down toward you and unhook the catches on the both sides.	**Photo 1**  **Photo 2** 
2. Removing the fan motor (1) Remove the 3 screws of the front panel. Open the front panel to a 45-degree angle. Then lift it and unhook the 3 catches to remove. (2) Remove the propeller fan nut and the propeller fan. (3) Remove the 3 screws and the fan motor. Disconnect the lead connectors.	**Photo 3** 

OPERATING PROCEDURE

3. Removing the heat exchanger and the compressor

(1) Remove the rear panel (2 screws in front, 1 screw on the side, 3 screws in the rear). Remove the valve bed, and open the rear panel to the rear to remove.

NOTE :

All panels are fixed by catches, and must be removed by shifting up and down.

(2) Remove the 4 screws of the right side panel and remove it.

(3) Remove the 3 screws of the rear guard and remove it.

(4) Remove the 4 screws of the separator support plate and remove it.

(5) Remove the 2 screws of the motor support and remove it.

(6) Remove the 5 screws of the valve bed.
The valve bed is fixed by the catches on the right and left sides.
Lift it to remove.

(7) Remove the electrical parts box.
Disconnect the connectors from the high pressure switch, crank case heater, shell thermo, and fan motor lead.

(8) Remove the 2 screws of the separator and remove it.

(9) Recover gas from the refrigerant circuit.

(10) Remove the 2 screws of the heat exchanger and remove it.
Detach the welded point of pipe.

(11) Remove the 3 nuts of the compressor and remove it.
Detach the welded points of the compressor suction pipe and discharge pipe.

NOTE

- Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa).
- Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.

PHOTOS

Photo 4

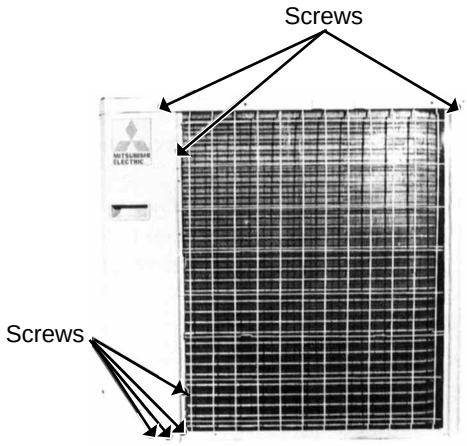


Photo 5

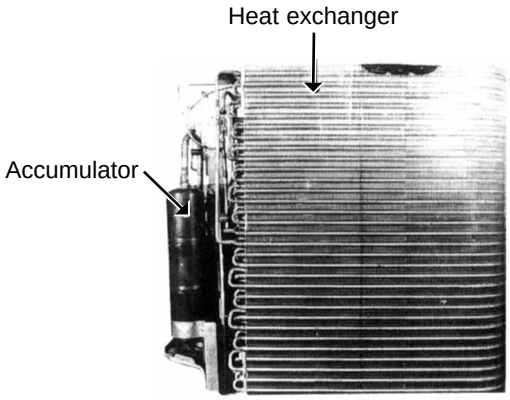
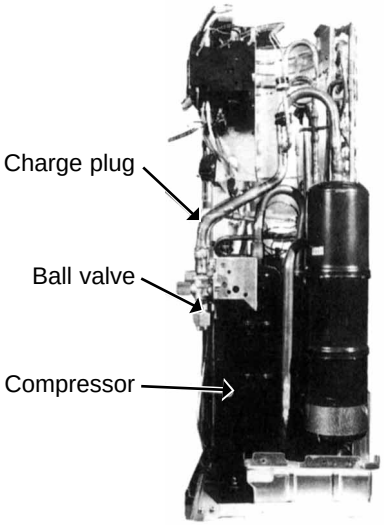
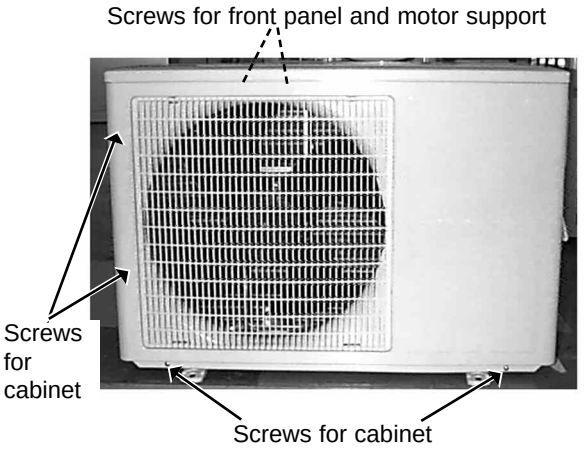
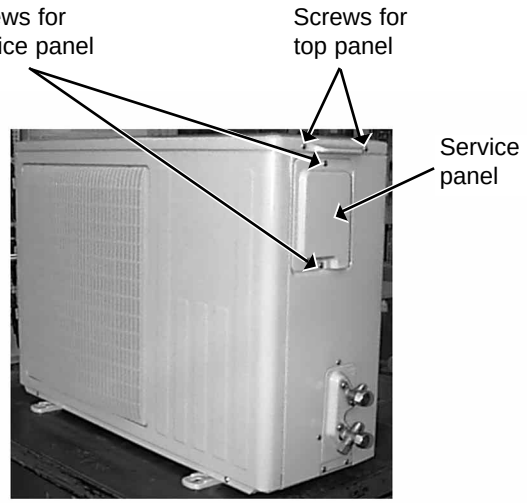
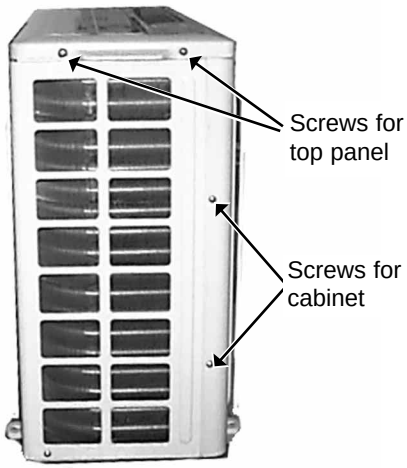
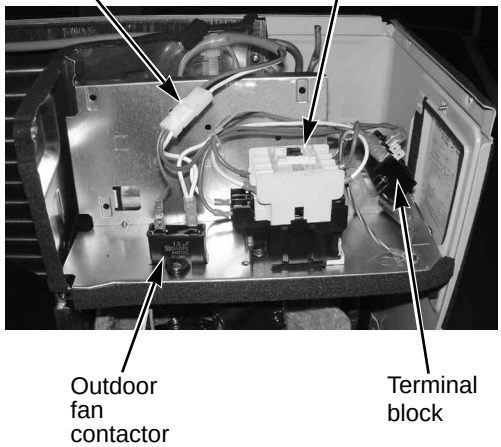
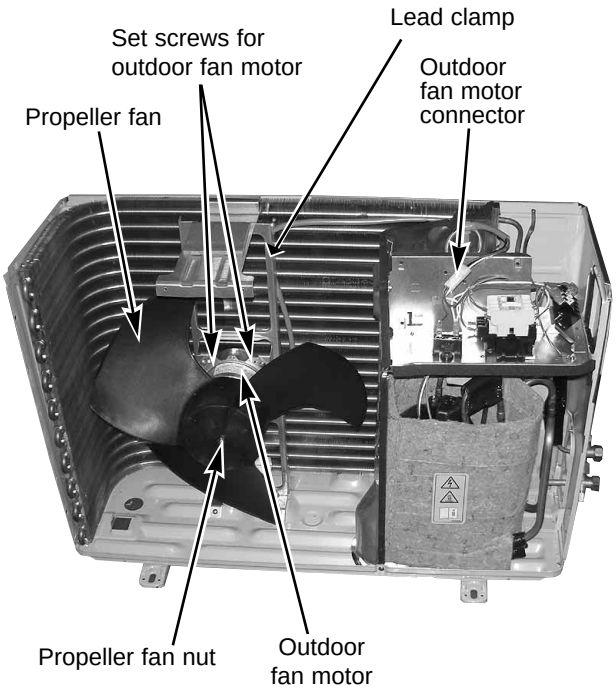


Photo 6

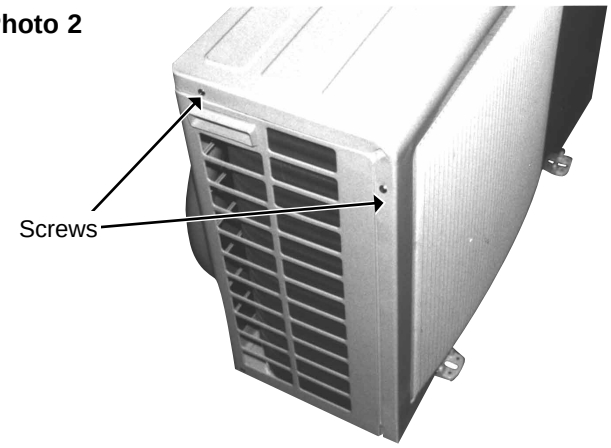
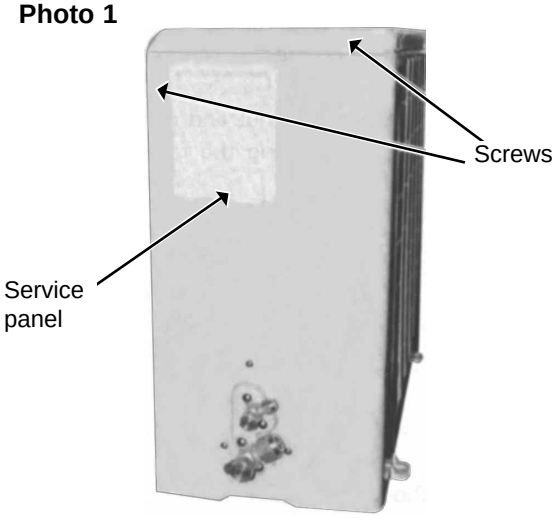
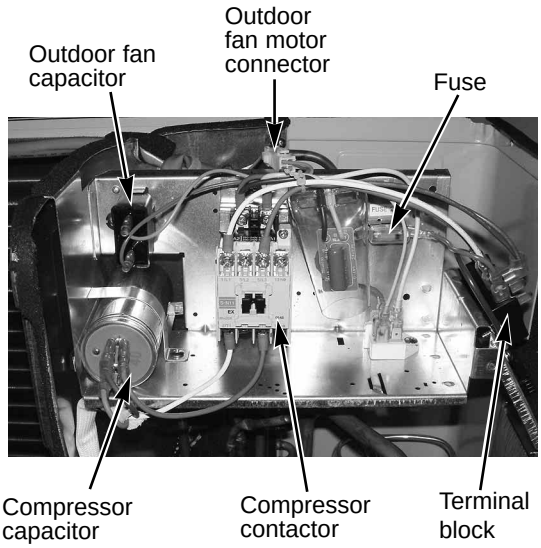


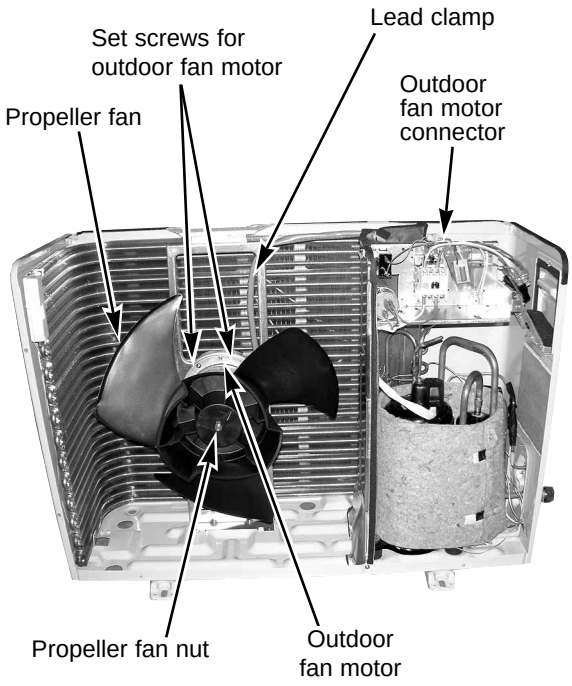
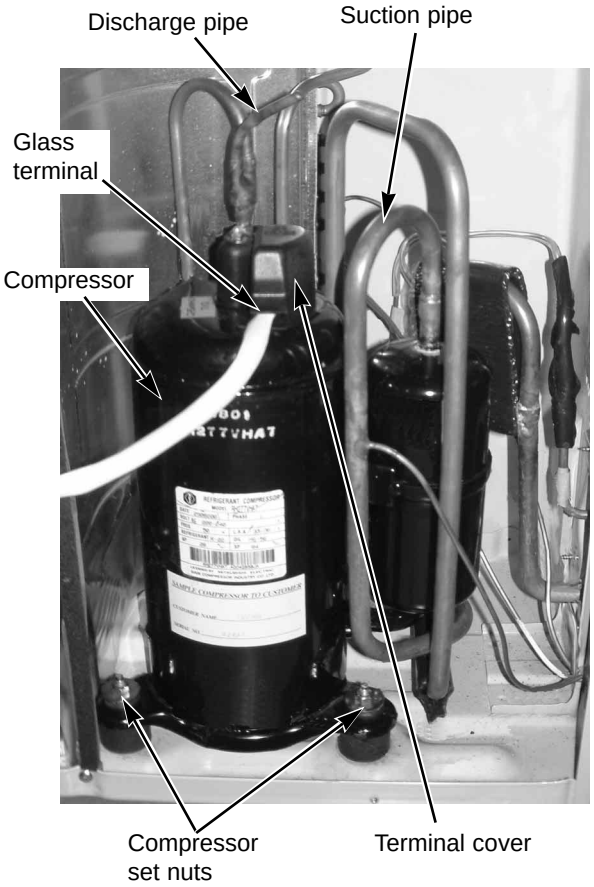
SU-1VR.TH SU-1VR.TH-T

OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet (1) Remove the screws for the top panel. (2) Remove the screw for the service panel. (3) Remove the screws for the cabinet. (4) Remove the screws for the front panel and motor support. (5) Remove the service panel, and remove the screw from the insides. (6) Remove the top panel. (7) Remove the cabinet.	**Photo 1** 
Photo 3  	**Photo 2** 
2. Removing the electrical parts (1) Remove the cabinet.(Refer to 1) (2) Remove the following parts. •Compressor capacitor(C1) •Outdoor fan capacitor(C2) •Terminal block(TB) •Compressor contactor(52C)	**Photo 4** 

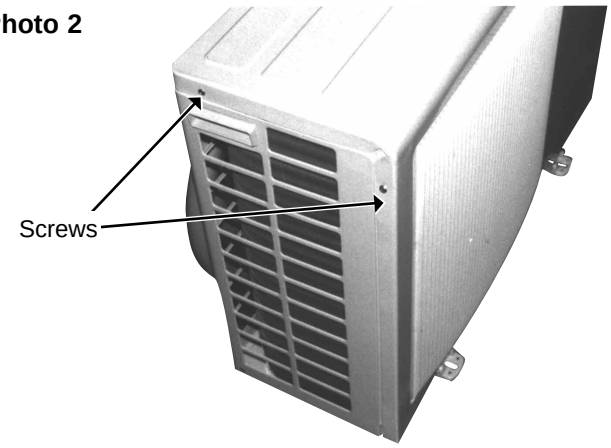
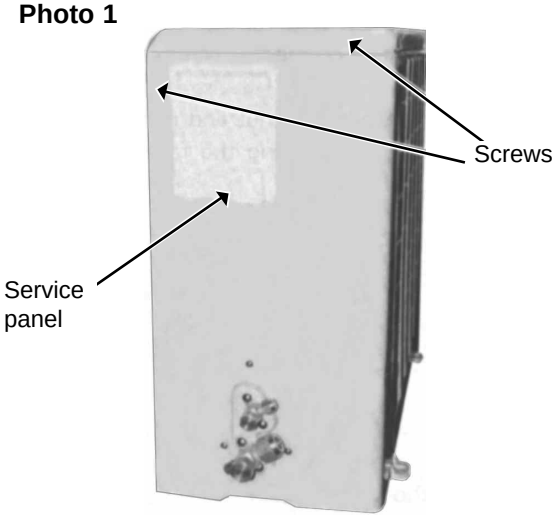
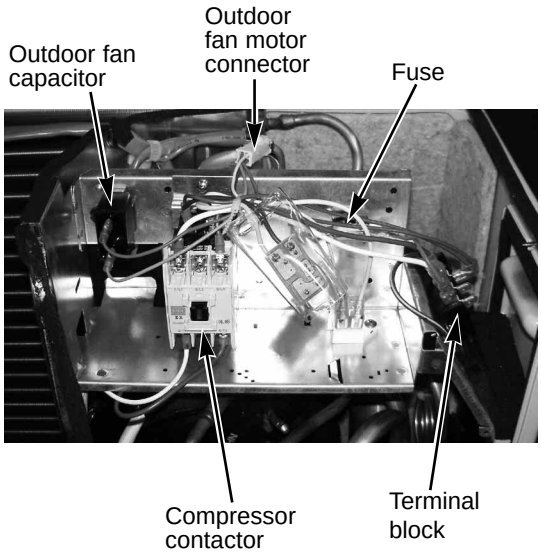
OPERATING PROCEDURE	PHOTOS
3. Removing the propeller fan and the outdoor fan motor (1) Remove the cabinet. (Refer to 1.) (2) Remove the propeller fan nut. (3) Remove the propeller fan. **NOTE : Loose the propeller fan in the rotating direction for removal.** When attaching the propeller fan, align the mark on the propeller fan with the motor shaft cut section. Set the propeller fan in position by using the cut on the shaft and the mark on the propeller fan. (4) Remove lead clamps and disconnect the outdoor fan motor connector. (5) Remove screws fixing the fan motor. (6) Remove the outdoor fan motor.	**Photo 5** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 6** 

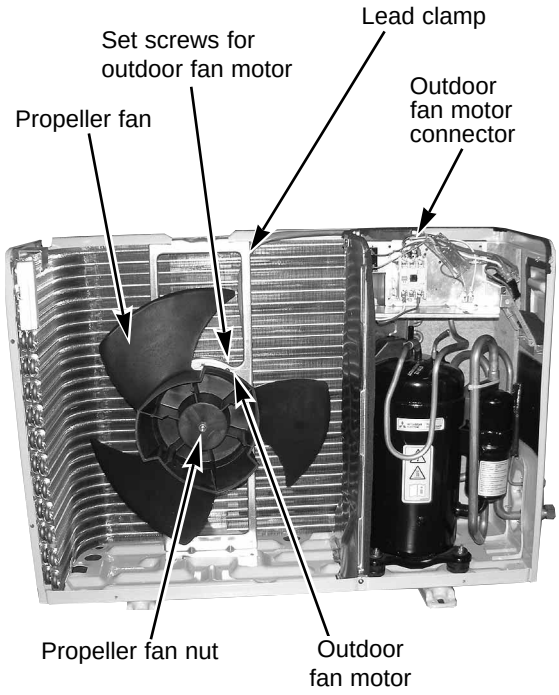
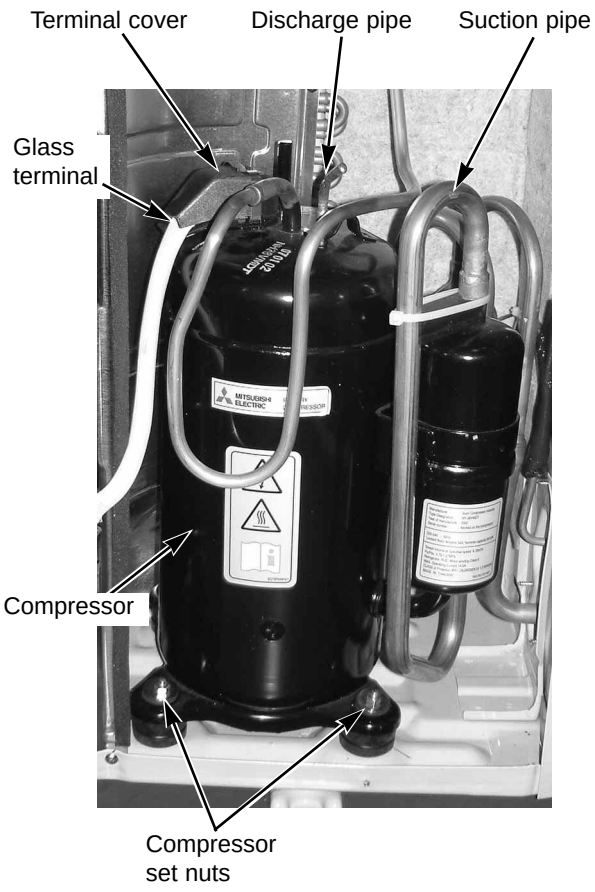
SU-1.6VR2.TH SU-1.6VR2.TH-T

OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet (1) Remove the screws of the cabinet. (2) Hold the bottom of the cabinet on the both side to remove the cabinet. **Photo 2**  	**Photo 1** 
2. Removing the electrical parts (1) Remove the cabinet.(Refer to 1) (2) Remove the following parts. •Compressor capacitor(C1) •Outdoor fan capacitor(C2) •Terminal block(TB) •Compressor contactor(52C) •Fuse(F)	**Photo 3** 

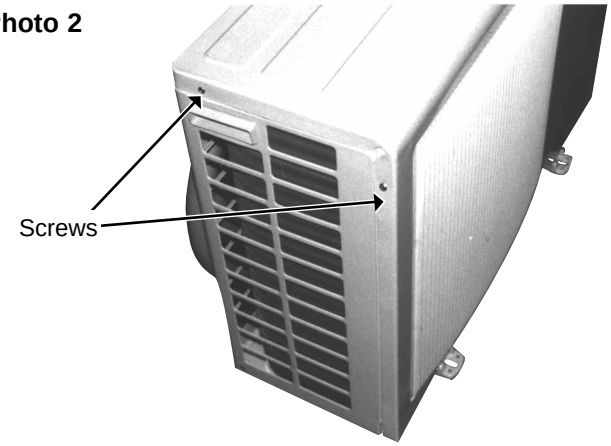
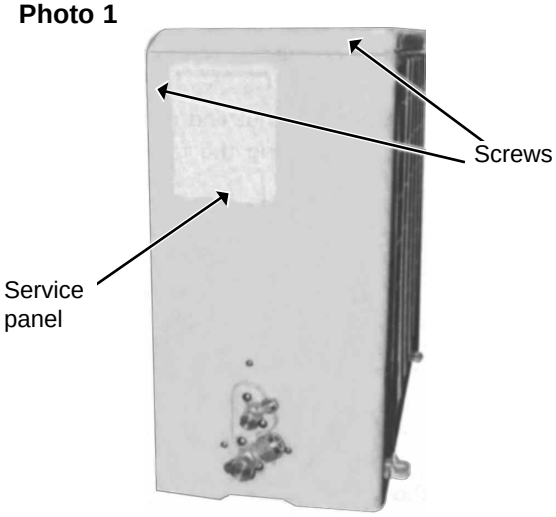
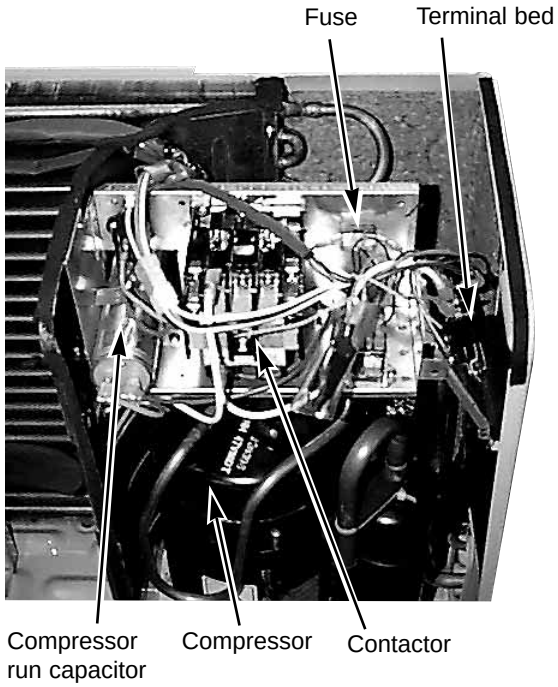
OPERATING PROCEDURE	PHOTOS
3. Removing the propeller fan and the outdoor fan motor (1) Remove the cabinet. (Refer to 1.) (2) Remove the propeller fan nut. (3) Remove the propeller fan. **NOTE : Loose the propeller fan in the rotating direction for removal.** When attaching the propeller fan, align the mark on the propeller fan with the motor shaft cut section. Set the propeller fan in position by using the cut on the shaft and the mark on the propeller fan. (4) Remove lead clamps and disconnect the outdoor fan motor connector. (5) Remove screws fixing the fan motor. (6) Remove the outdoor fan motor.	**Photo 4** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 5** 

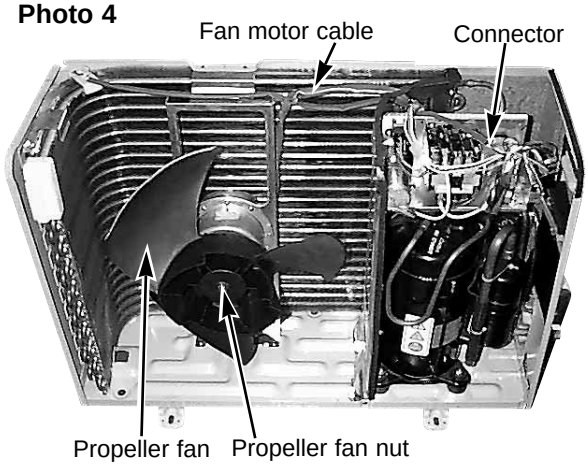
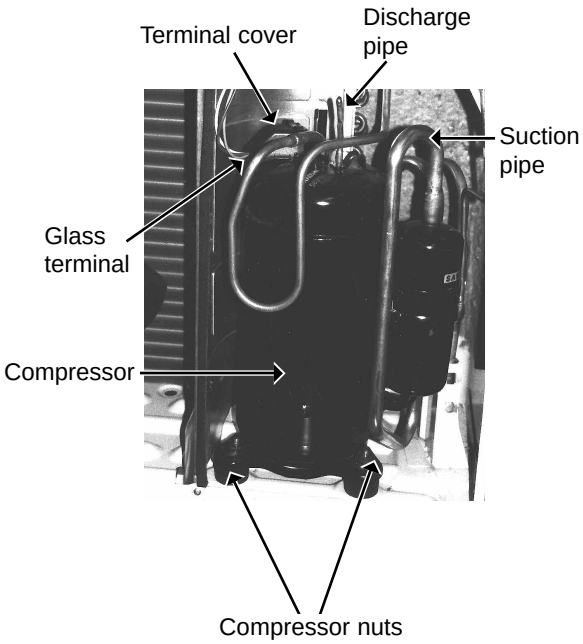
SU-2VR1.TH SU-2VR1.TH-T

OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet (1) Remove the screws of the cabinet. (2) Hold the bottom of the cabinet on the both side to remove the cabinet. **Photo 2**  	**Photo 1** 
2. Removing the electrical parts (1) Remove the cabinet.(Refer to 1) (2) Remove the following parts. •Compressor capacitor(C1) •Outdoor fan capacitor(C2) •Terminal block(TB) •Compressor contactor(52C) •Fuse(F)	**Photo 3** 

OPERATING PROCEDURE	PHOTOS
3. Removing the propeller fan and the outdoor fan motor (1) Remove the cabinet. (Refer to 1.) (2) Remove the propeller fan nut. (3) Remove the propeller fan. **NOTE : Loose the propeller fan in the rotating direction for removal.** When attaching the propeller fan, align the mark on the propeller fan with the motor shaft cut section. Set the propeller fan in position by using the cut on the shaft and the mark on the propeller fan. (4) Remove lead clamps and disconnect the outdoor fan motor connector. (5) Remove screws fixing the fan motor. (6) Remove the outdoor fan motor.	**Photo 4** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, reclaim gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 5** 

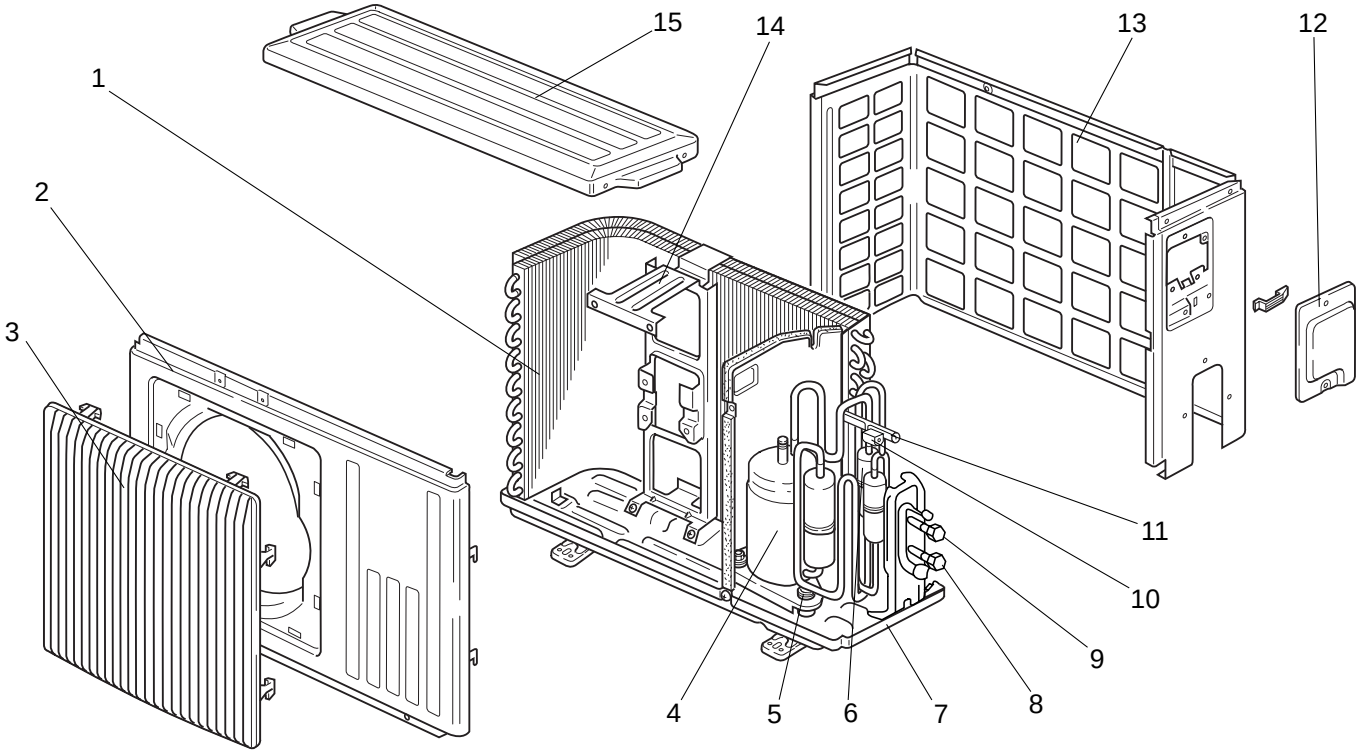
SU-1.6NR.TH SU-2NR.TH SU-2.5NR.TH
SU-1.6VR.TH SU-2VR.TH SU-2.5VR.TH
SU-1.6VR.TH-T SU-2VR.TH-T SU-2.5VR.TH-T

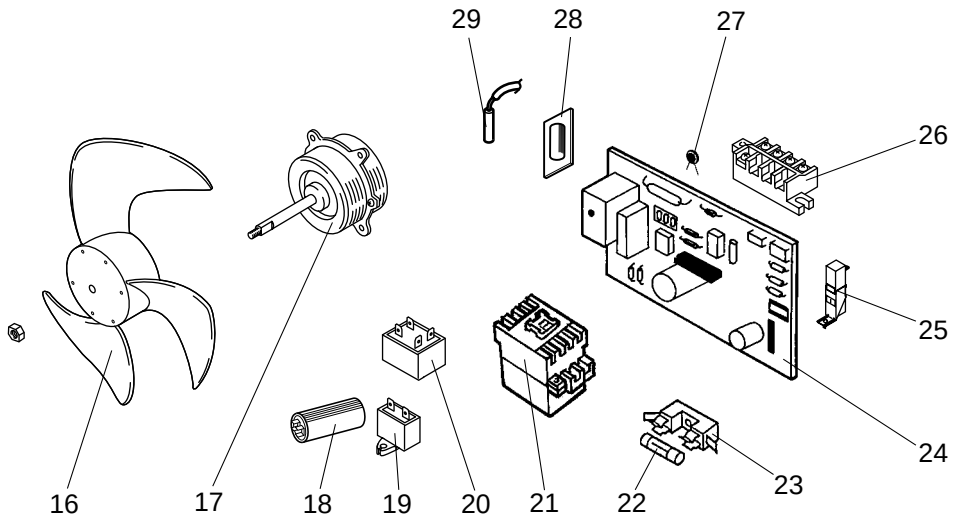
OPERATING PROCEDURE	PHOTOS
1. Removing the cabinet (1) Remove the screws of the cabinet. (2) Hold the bottom of the cabinet on the both side to remove the cabinet. **Photo 2**  	**Photo 1** 
2. Removing the electrical parts (1) Remove the cabinet.(Refer to 1) (2) Remove the following parts. •Compressor capacitor(C1) •Outdoor fan capacitor(C2) •Terminal block(TB,TB2) •Fan motor relay(X1)[For SU-2.5NR.TH, SU-2.5VR.TH and SU-2.5VR.TH-T] •Contactor(52C) •Fuse(F)	**Photo 3** 

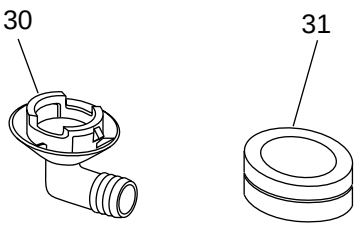
OPERATING PROCEDURE	PHOTOS
3. Removing the outdoor fan motor (1) Remove the cabinet. (Refer to 1) (2) Unconnect the connector remove the clamp of fan motor lead wire. (3) Remove the propeller nut and remove the propeller. (4) Remove screws fixing the fan motor.	**Photo 4** 
4. Removing the compressor (1) Remove the cabinet. (Refer to 1) (2) Remove the relay panel. (3) Remove the soundproof felt. (4) Remove the terminal cover on the compressor. (5) Disconnect lead wires from the glass terminal of the compressor. (6) Recover gas from the refrigerant circuit. (7) Disconnect the welded part of the discharge pipe. (8) Disconnect the welded part of the suction pipe. (9) Remove nuts fixing the compressor. (10) Remove the compressor. **NOTE** ● Before using a burner, recover gas from the pipes until the pressure gauge shows 0 kg/cm^2 (0 MPa). ● Use the burner under the condition that gas can be recovered even when the inner pressure rises by heat.	**Photo 5** 

11 PARTS LIST

OUTDOOR UNIT
STRUCTURAL PARTS
SUH-1VR.TH SU-1VR.TH SU-1VR.TH-T



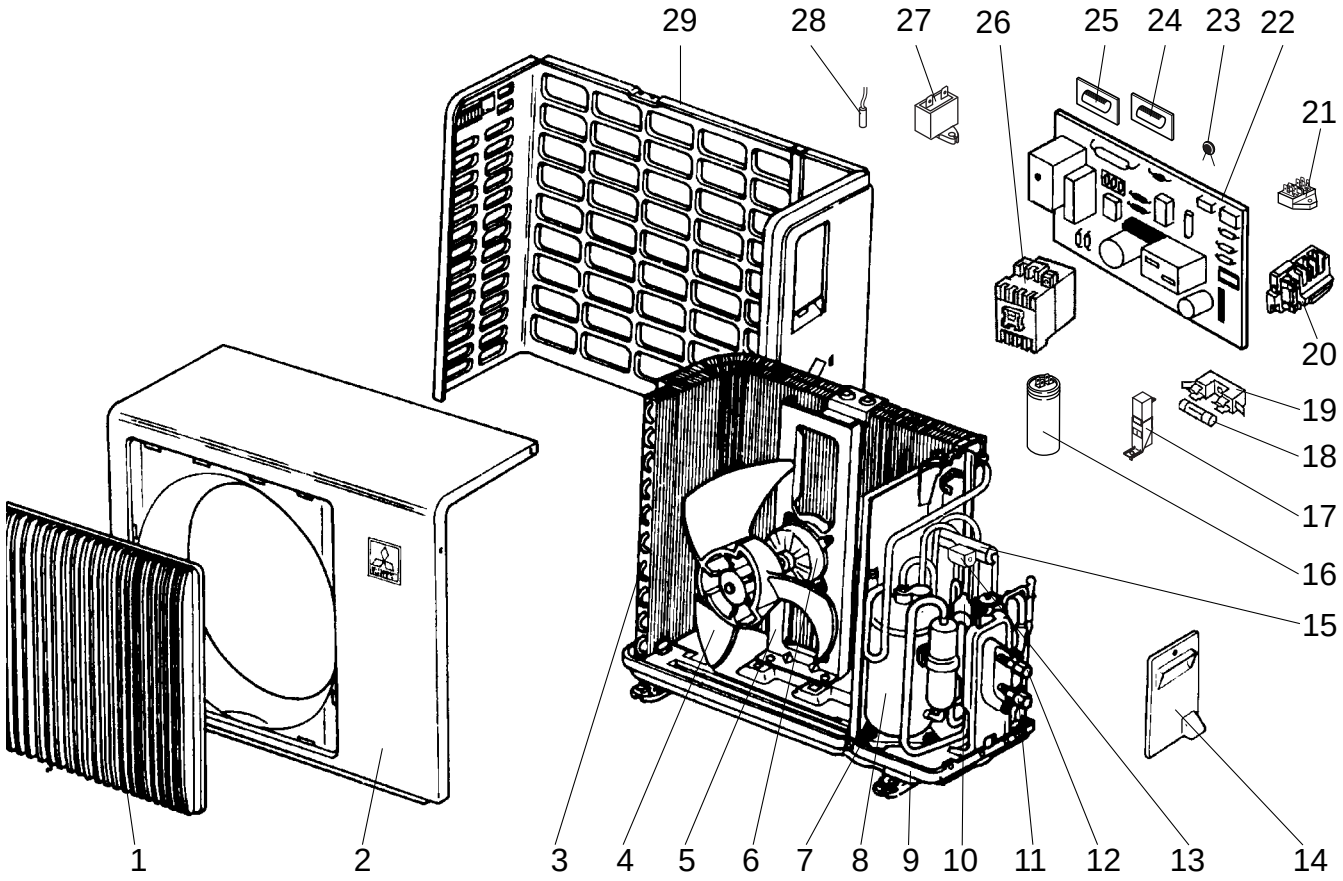




Part numbers that are circled are not shown in the illustration.

No.	Parts No.	Parts name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				SUH-1	SU-1				Unit	Amount
				VR.TH	VR.TH VR.TH-T					
1	E02 440 630	OUTDOOR HEAT EXCHANGER		1						
	E02 336 630	OUTDOOR HEAT EXCHANGER			1					
2	E02 336 232	CABINET		1	1					
3	E02 336 521	GRILLE (OUT)		1	1					
4	E02 128 900	COMPRESSOR	RH-174VGHT	1	1		MC			
5	E02 336 506	COMPRESSOR RUBBER MOUNT		3	3	3RUBBERS/SET				
6	E02 096 932	ACCUMULATOR		1						
7	E02 339 290	BASE		1	1					
8	E02 339 661	STOP VALVE (GAS)	ϕ9.52	1	1					
9	E02 339 662	STOP VALVE (LIQUID)	ϕ6.35		1					
	E02 139 662	STOP VALVE (LIQUID)	ϕ6.35	1						
10	E02 440 490	4-WAY VALVE SOLENOID COIL		1			21S4			
11	E02 444 961	4-WAY VALVE		1						
12	E02 336 245	SERVICE PANEL		1	1					
13	E02 440 233	BACK PANEL (OUT)		1						
	E02 339 233	BACK PANEL (OUT)			1					
14	E02 336 515	MOTOR SUPPORT		1	1					
15	E02 336 297	TOP PANEL		1	1					
16	E02 665 501	PROPELLER FAN		1	1					
17	E07 112 301	OUTDOOR FAN MOTOR		1			MF			
	E02 676 301	OUTDOOR FAN MOTOR			1		MF			
18	E02 694 353	COMPRESSOR CAPACITOR	25μF 440VAC	1	1		C1			
19	E02 095 350	OUTDOOR FAN CAPACITOR	1.5μF 440VAC		1		C2			
20	E02 282 340	COMPRESSOR CONTACTOR	VF12HU-302	1			52C			
21	E07 042 340	COMPRESSOR CONTACTOR	S-N11EX		1		52C			
22	E02 095 382	FUSE (OUT)	250V 2A	1			F61			
23	E07 001 241	FUSE HOLDER		1						
24	E07 112 451	DEICER P.C. BOARD		1						
25	E02 128 383	SURGE ABSORBER		1			DSAR			
26	E02 198 374	TERMINAL BLOCK		1			TB			
	E02 209 374	TERMINAL BLOCK			1		TB			
27	E02 085 385	VARISTOR		1			NR61			
28	E07 042 384	SURGE ABSORBER			1		CR			
29	E02 289 310	DEFROST THERMISTOR		1			RT61			
30	E02 444 704	DRAIN SOCKET SET		1						
31	E02 440 705	DRAIN CAP		2		2PCS/SET				
(32)	E07 112 933	STRAINER		1						
	E02 205 933	STRAINER			1					
(33)	E02 069 644	DIS PRESSURE REGULATOR		1						
(34)	E02 154 642	RESTRICTOR VALVE		1						
(35)	E02 159 936	CAPILLARY TUBE1	ϕ3.0Xϕ1.4XL800	2						
(36)	E02 134 937	CAPILLARY TUBE2	ϕ3.0Xϕ1.6XL400	1						
(37)	E07 112 936	CAPILLARY TUBE3	ϕ3.0Xϕ1.4XL580	1						
	E02 339 936	CAPILLARY TUBE3	ϕ3.0Xϕ1.4XL600		1					

OUTDOOR UNIT
STRUCTURAL PARTS
SUH-1.6VR.TH SU-1.6VR.TH SU-1.6VR.TH-T
SUH-1.6VR2.TH SU-1.6VR2.TH SU-1.6VR2.TH-T

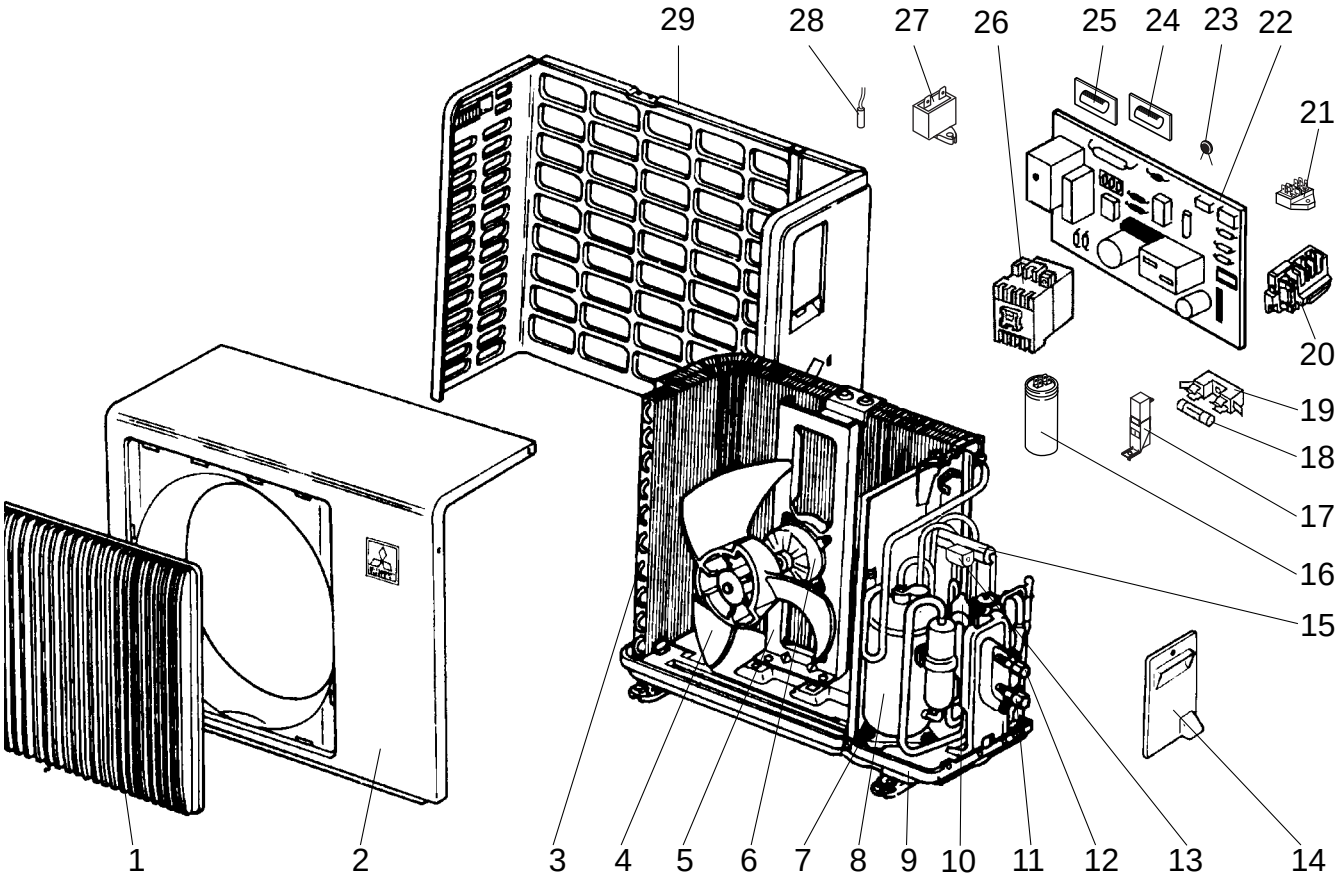


No.	Parts No.	Parts name	Specification	Q'ty/set				Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				SUH-1.6		SU-1.6					Unit	Amount
				VR.TH	VR2.TH	VR.TH VR.TH-T	VR2.TH VR2.TH-T					
1	E02 141 521	GRILLE (OUT)		1	1	1	1					
2	E02 141 232	CABINET		1	1	1	1					
3	E07 042 630	OUTDOOR HEAT EXCHANGER		1	1							
	E02 141 630	OUTDOOR HEAT EXCHANGER				1	1					
4	E02 141 501	PROPELLER FAN		1	1	1	1					
5	E02 139 515	MOTOR SUPPORT		1	1							
	E02 140 515	MOTOR SUPPORT				1	1					
6	E02 141 301	OUTDOOR FAN MOTOR		1	1	1	1		MF			
7	E02 075 506	COMPRESSOR RUBBER MOUNT		3	3	3	3	3RUBBERS/SET				
8	E07 042 900	COMPRESSOR	RH-247VHAT	1		1			MC			
	E07 111 900	COMPRESSOR	RH-277VHAT		1		1		MC			
9	E02 201 290	BASE		1								
	E07 113 290	BASE			1							
	E02 140 290	BASE				1	1					

Part numbers that are circled are not shown in the illustration.

No.	Parts No.	Parts name	Specification	Q'ty/set				Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				SUH-1.6		SU-1.6					Unit	Amount
				VR.TH	VR2.TH	VR.TH VR.TH-T	VR2.TH VR2.TH-T					
10	E02 134 932	ACCUMULATOR		1								
	E07 113 932	ACCUMULATOR			1							
11	E02 140 661	STOP VALVE (GAS)	ϕ12.7	1	1	1	1					
12	E02 139 662	STOP VALVE (LIQUID)	ϕ6.35	1	1	1	1					
13	E02 156 490	4-WAY VALVE SOLENOID COIL		1	1				21S4			
14	E02 141 245	SERVICE PANEL		1	1	1	1					
15	E02 444 961	4-WAY VALVE		1	1							
16	E02 089 353	COMPRESSOR CAPACITOR	35μF 440VAC	1		1			C1			
	E07 111 353	COMPRESSOR CAPACITOR	40μF 440VAC		1		1		C1			
17	E02 128 383	SURGE ABSORBER 1		1	1				DSAR			
18	E02 095 382	FUSE (OUT)	250V 2A	1	1	1	1		F			
19	E07 001 241	FUSE HOLDER		1	1	1	1					
20	E02 198 374	TERMINAL BLOCK		1	1				TB			
	E02 209 374	TERMINAL BLOCK				1	1		TB			
21	E07 056 374	TERMINAL BLOCK				1	1		TB2			
22	E07 042 451	DEICER P.C. BOARD		1	1							
23	E02 085 385	VARISTOR		1	1				NR61			
24	E07 042 384	SURGE ABSORBER 2		1	1	1	1		CR			
25	E02 214 386	SURGE ABSORBER 3		1	1				CZ			
26	E07 042 340	COMPRESSOR CONTACTOR	S-N11EX	1	1	1	1		52C1/52C			
27	E02 138 351	FAN MOTOR CAPACITOR	3.0μF 440VAC			1	1		C2			
28	E02 139 310	DEFROST THERMISTOR		1	1				RT61			
29	E02 140 233	BACK PANEL (OUT)		1	1							
	E07 054 233	BACK PANEL (OUT)				1	1					
㉚	E02 154 642	RESTRICTOR VALVE		1	1							
㉛	E07 042 644	DIS PRESSURE REGULATOR		1	1							
㉜	E07 042 933	STRAINER 1		1	1							
㉝	E02 205 933	STRAINER				1	1					
㉞	E07 042 936	CAPILLARY TUBE	ϕ3.0Xϕ1.8XL330	1								
	E07 113 936	CAPILLARY TUBE	ϕ3.0Xϕ1.6XL420		1							
㉟	E07 042 937	CAPILLARY TUBE	ϕ3.0Xϕ1.6XL550	1								
	E02 271 936	CAPILLARY TUBE	ϕ3.0Xϕ1.8XL550		1							
㊱	E02 140 936	CAPILLARY TUBE	ϕ3.0Xϕ1.8XL800			1						
	E02 285 936	CAPILLARY TUBE	ϕ3.0Xϕ1.8XL500				1					

OUTDOOR UNIT
STRUCTURAL PARTS
SUH-2VR.TH SU-2VR.TH SU-2VR.TH-T
SUH-2VR$_1$.TH SU-2VR$_1$.TH SU-2VR$_1$.TH-T
SUH-2VR$_2$.TH

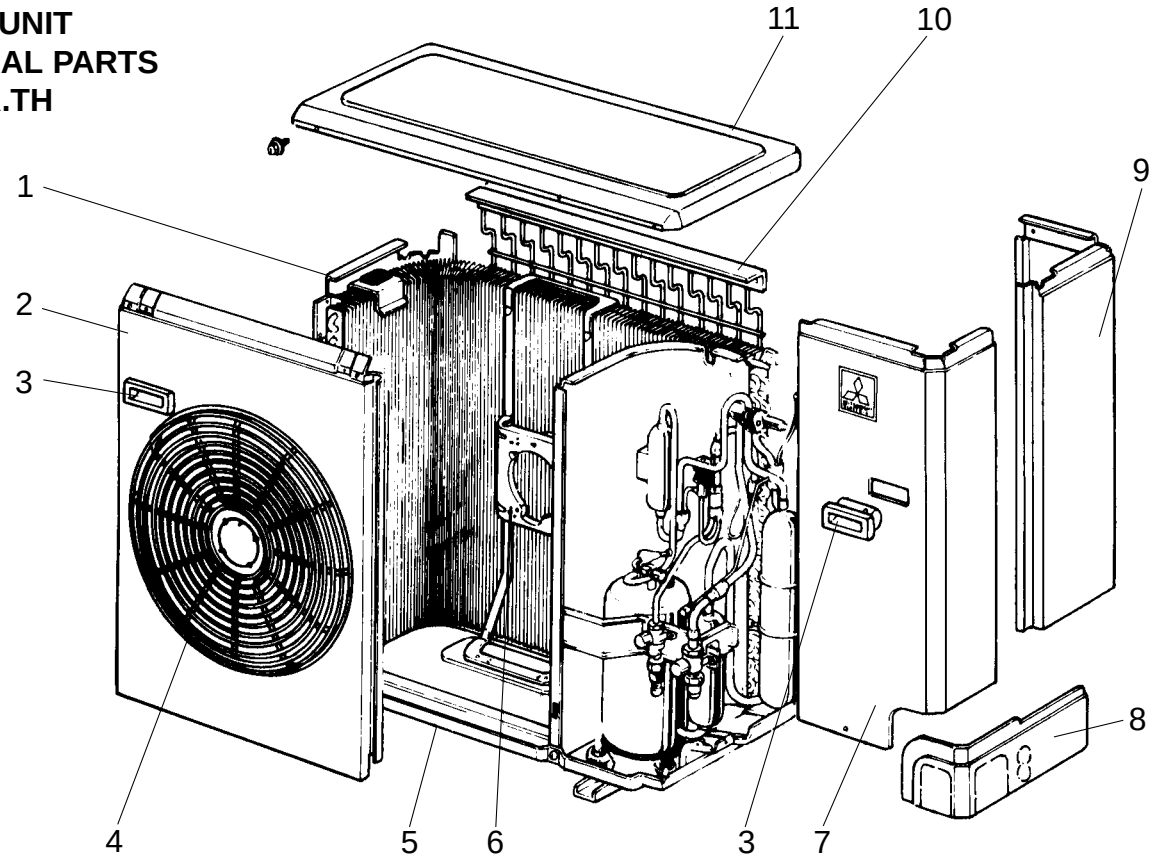


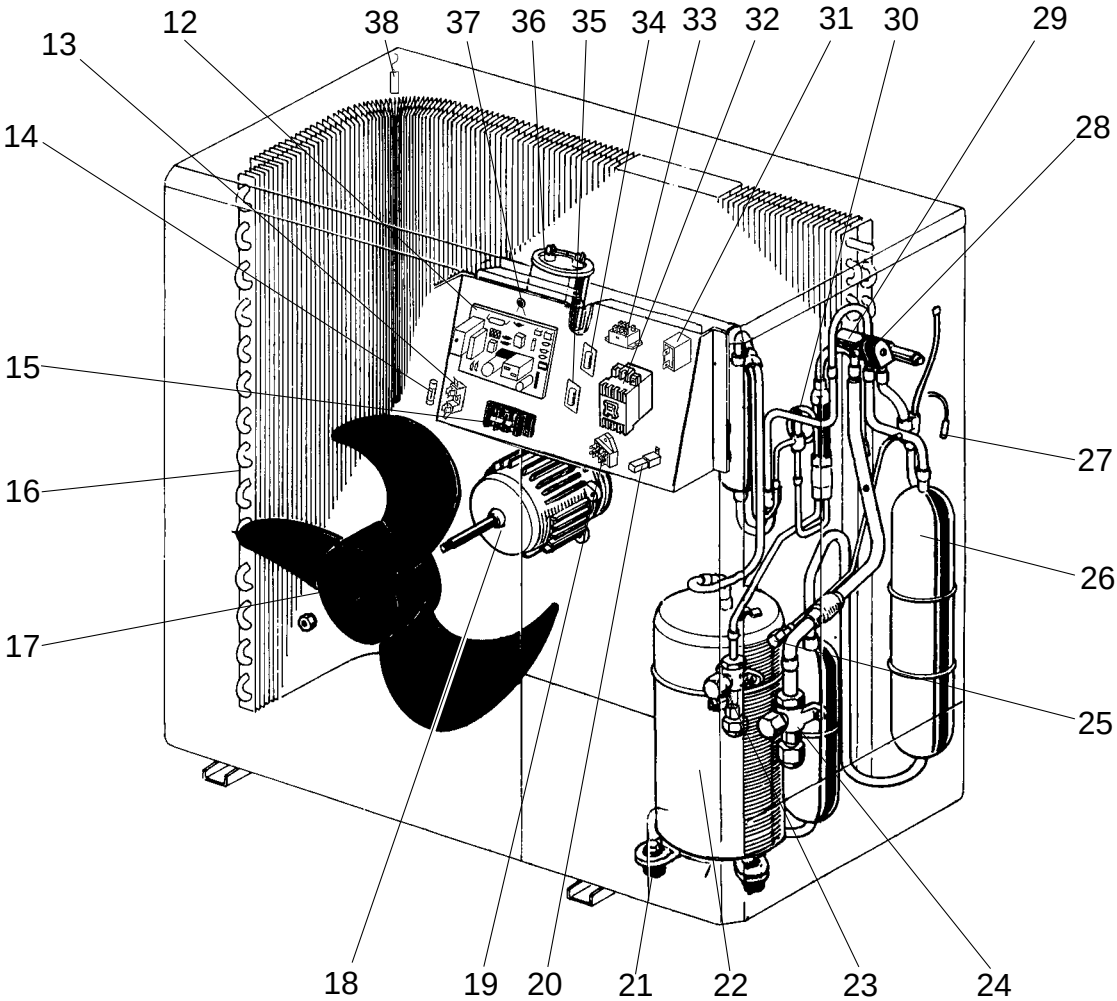
No.	Parts No.	Parts name	Specification	Q'ty/set					Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				SUH-2			SU-2					Unit	Amount
				VR.TH	VR$_1$.TH	VR$_2$.TH	VR.TH VR.TH-T	VR$_1$.TH VR$_1$.TH-T					
1	E02 141 521	GRILLE (OUT)		1	1	1	1	1					
2	E02 141 232	CABINET		1	1	1	1	1					
3	E07 139 630	OUTDOOR HEAT EXCHANGER		1	1								
	E02 643 630	OUTDOOR HEAT EXCHANGER				1							
	E02 138 630	OUTDOOR HEAT EXCHANGER					1	1					
4	E02 141 501	PROPELLER FAN		1	1	1	1	1					
5	E02 139 515	MOTOR SUPPORT		1	1	1							
	E02 138 515	MOTOR SUPPORT					1	1					
6	E02 144 301	OUTDOOR FAN MOTOR		1	1	1	1	1		MF			
7	E02 138 506	COMPRESSOR RUBBER MOUNT		4	4	4	4	4	4RUBBERS/SET				
8	E02 007 900	COMPRESSOR	NH-38VMDT	1	1	1	1	1		MC			
9	E02 139 290	BASE		1	1	1							
	E02 138 290	BASE					1	1					

Part numbers that are circled are not shown in the illustration.

No.	Parts No.	Parts name	Specification	Q'ty/set					Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				SUH-2			SU-2					Unit	Amount
				VR.TH	VR_1.TH	VR_2.TH	VR.TH VR.TH-T	VR_1.TH VR_1.TH-T					
10	E02 258 932	ACCUMULATOR		1	1	1							
	E07 058 932	ACCUMULATOR					1	1					
11	E02 150 661	STOP VALVE (GAS)	ϕ15.88	1	1	1	1	1					
12	E02 139 662	STOP VALVE (LIQUID)	ϕ6.35	1	1	1	1	1					
13	E02 139 490	4-WAY VALVE SOLENOID COIL		1	1	1				21S4			
14	E02 141 245	SERVICE PANEL		1	1	1	1	1					
15	E02 444 961	4-WAY VALVE		1	1	1							
16	E02 082 353	COMPRESSOR CAPACITOR	50μF 440VAC	1			1			C1			
	E07 114 353	COMPRESSOR CAPACITOR	50μF 440VAC		1	1		1		C1			
17	E02 128 383	SURGE ABSORBER 1		1	1	1				DSAR			
18	E02 095 382	FUSE (OUT)	250V 2A	1	1	1	1	1					
19	E07 001 241	FUSE HOLDER		1	1	1	1	1					
20	E02 198 374	TERMINAL BLOCK		1	1	1				TB			
	E02 209 374	TERMINAL BLOCK					1	1		TB			
21	E07 056 374	TERMINAL BLOCK					1	1		TB2			
22	E07 043 451	DEICER P.C. BOARD		1	1	1							
23	E02 085 385	VARISTOR		1	1	1				NR61			
24	E07 042 384	SURGE ABSORBER 2		1	1	1	1	1		CR			
25	E02 214 386	SURGE ABSORBER 3		1	1	1				CZ			
26	E07 012 340	COMPRESSOR CONTACTOR	S-N18EX	1	1	1	1	1		52C1/52C			
27	E02 138 351	FAN MOTOR CAPACITOR	3.0μF 440VAC				1	1		C2			
28	E02 139 310	DEFROST THERMISTOR		1	1	1				RT61			
29	E02 140 233	BACK PANEL (OUT)		1	1	1	1	1					
(30)	E02 096 642	RESTRICTOR VALVE		1	1								
	E02 214 642	RESTRICTOR VALVE				1							
(31)	E07 042 644	DIS PRESSURE REGULATOR		1	1	1							
(32)	E07 042 933	STRAINER 1		1	1	1							
(33)	E02 236 933	STRAINER					1	1					
(34)	E07 043 936	CAPILLARY TUBE	ϕ3.0Xϕ1.6XL860	2	2	2							
(35)	E07 049 936	CAPILLARY TUBE	ϕ4.0Xϕ2.4XL660	1	1								
	E02 257 936	CAPILLARY TUBE	ϕ3.0Xϕ2.0XL250			1							
(37)	E07 055 936	CAPILLARY TUBE	ϕ3.0Xϕ2.0XL570				1	1					

OUTDOOR UNIT
STRUCTURAL PARTS
SUH-2.5VR.TH

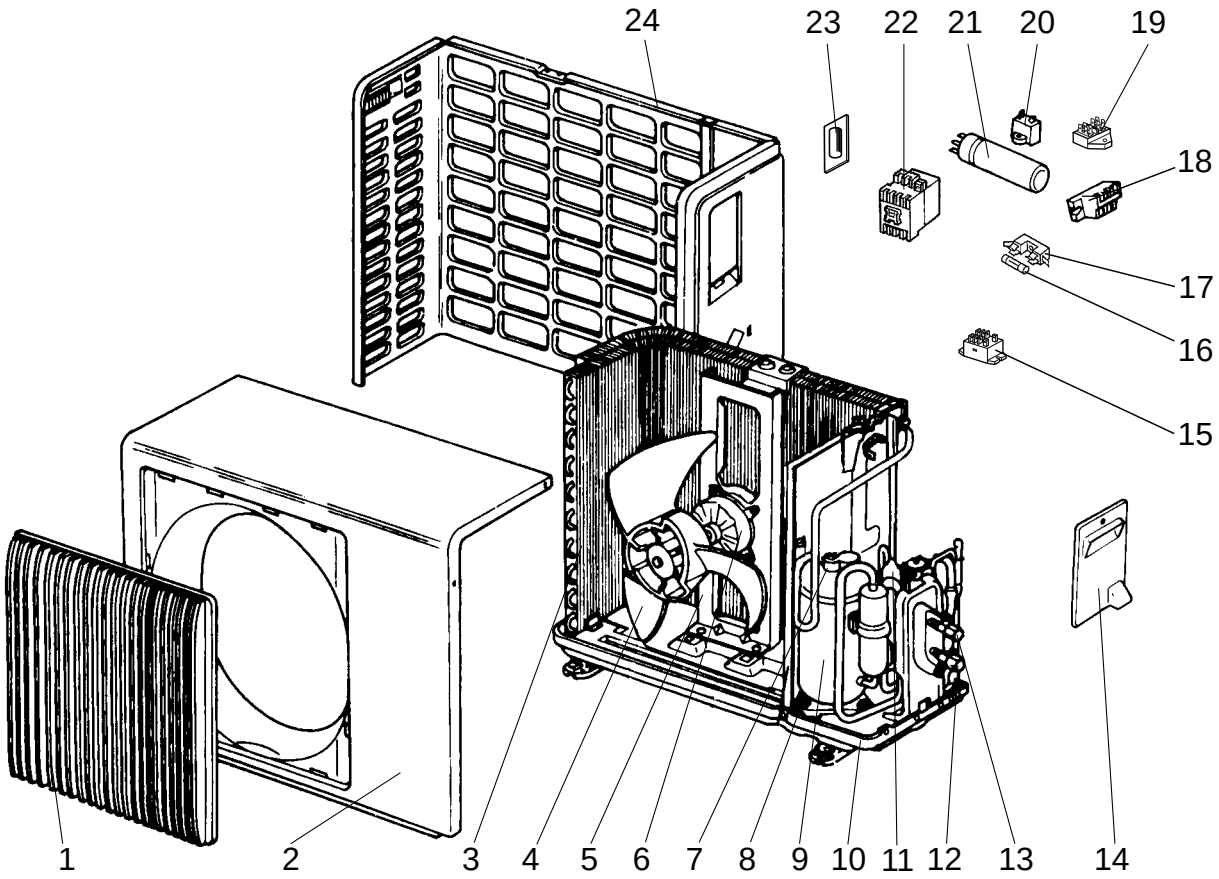




Part number that are circled is not shown in the illustration.

No.	Parts No.	Parts name	Specification	Q'ty/set	Remarks (Drawing No.)	Wiring Diagram Symbol	Recom-mended Q'ty	Price	
				SUH-2.5VR.TH				Unit	Amount
1	E02 214 249	LEFT SIDE PANEL		1					
2	E02 214 232	FRONT PANEL		1					
3	E07 001 009	HANDEL		3					
4	E02 214 521	FAN GUARD		1					
5	E02 214 290	BASE		1					
6	E02 214 515	MOTOR SUPPORT		1					
7	E02 214 245	SERVICE PANEL		1					
8	E07 001 006	PANEL COVER		1					
9	E02 214 522	REAR PANEL		1					
10	E07 003 523	REAR GUARD		1					
11	E02 214 297	TOP PANEL		1					
12	E07 044 451	DEICER P.C. BOARD		1					
13	E07 001 241	FUSE HOLDER		1					
14	E02 095 382	FUSE(OUT)	250V 2A	1		F			
15	E02 198 374	TERMINAL BLOCK		1		TB			
16	E02 214 630	OUTDOOR HEAT EXCHANGER		1					
17	E02 214 501	PROPELLER FAN		1					
18	E02 214 301	FAN MOTOR		1		MF			
19	E07 044 374	TERMINAL BLOCK		1		TB2			
20	E02 128 383	SURGE ABSORBER 1		1		DSAR			
21	E02 138 506	COMPRESSOR RUBBER MOUNT		4	4RUBBER				
22	E02 042 900	COMPRESSOR	NH-47VMDT	1		MC			
23	E02 010 662	BALL VALVE(LIQUID)	3/8"	1					
24	E02 010 661	BALL VALVE(GAS)	5/8"	1					
25	E07 001 641	CHARGE PLUG		1					
26	E02 214 932	ACCUMULATOR		1					
27	E02 214 310	DEFROST THERMISTOR		1		RT61			
28	E02 156 490	SOLENOID COIL		1		21S4			
29	E02 077 961	REVERSING VALVE		1					
30	E07 044 936	CAPILLARY TUBE	ϕ4.0Xϕ2.0XL410	1					
31	E02 138 351	FAN MOTOR CAPACITOR	3.0μF-440VAC	1		C2			
32	E07 012 340	COMPRESSOR CONTACTOR	S-N18EX	1		52C1/52C			
33	E02 288 343	FAN MOTOR RELAY		1		X1			
34	E02 214 384	SURGE ABSORBER 2		1		CR			
35	E02 214 386	SURGE ABSORBER 3		1		CZ			
36	E02 082 353	COMPRESSOR RUN CAPACITOR	50μF-440VAC	1		C1			
37	E02 085 385	VARISTOR		1		NR61			
38	E02 214 381	THERMAL REED SWITCH		1		26F1			
㊴	E07 042 644	DIS PRESSURE REGULATOR		1					
㊵	E07 044 933	STRAINER 2		1					
㊶	E07 050 933	STRAINER 3		1					

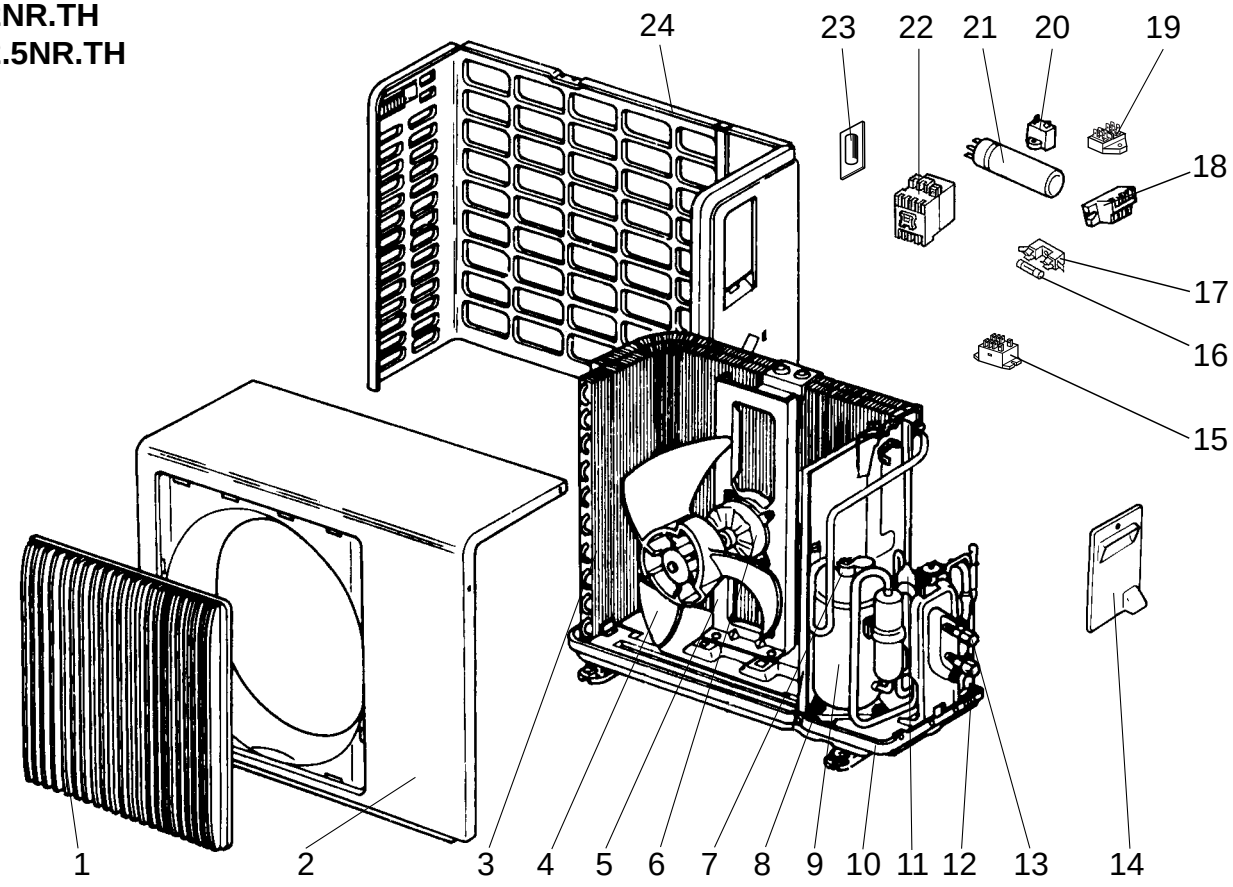
OUTDOOR UNIT
STRUCTURAL PARTS
SU-2.5VR.TH
SU-2.5VR.TH-T



Part number that are circled is not shown in the illustration.

No.	Parts No.	Parts name	Specification	Q'ty/set	Remarks (Drawing No.)	Wiring Diagram Symbol	Recom-mended Q'ty	Price	
				SU-2.5VR.TH SU-2.5VR.TH-T				Unit	Amount
1	E02 141 521	GRILLE(OUT)		1					
2	E02 141 232	CABINET		1					
3	E02 147 630	OUTDOOR HEAT EXCHANGER		1					
4	E02 141 501	PROPELLER FAN		1					
5	E02 139 515	MOTOR SUPPORT		1					
6	E02 147 301	FAN MOTOR		1		MF			
7	E02 229 381	THERMAL REED SWITCH		1		26F1			
8	E02 138 506	COMPRESSOR RUBBER MOUNT		4	4RUBBER				
9	E02 042 900	COMPRESSOR	NH-47VMDT	1		MC			
10	E02 176 290	BASE		1					
11	E07 058 932	ACCUMULATOR		1					
12	E02 150 661	STOP VALVE(GAS)	ϕ15.88	1					
13	E02 176 662	STOP VALVE(LIQUID)	ϕ9.52	1					
14	E02 141 245	SERVICE PANEL		1					
15	E02 288 343	FAN MOTOR RELAY		1		X1			
16	E02 095 382	FUSE(OUT)	250V 2A	1		F			
17	E07 001 241	FUSE HOLDER		1					
18	E02 209 374	TERMINAL BLOCK		1		TB			
19	E07 056 374	TERMINAL BLOCK		1		TB2			
20	E02 138 351	FAN MOTOR CAPACITOR	3.0μF-440VAC	1		C2			
21	E02 082 353	COMPRESSOR CAPACITOR	50μF-440VAC	1		C1			
22	E07 012 340	COMPRESSOR CONTACTOR	S-N18EX	1		52C			
23	E07 042 384	SURGE ABSORBER		1		CR			
24	E02 140 233	BACK PANEL(OUT)		1					
㉕	E02 069 644	DIS PRESSURE REGULATOR		1					
㉖	E07 059 933	STRAINER		1					
㉗	E02 138 936	CAPILLARY TUBE	ϕ3.0×ϕ2.0×L700	1					
	E02 147 937	CAPILLARY TUBE	ϕ3.0×ϕ2.0×L100	1					

OUTDOOR UNIT
STRUCTURAL PARTS
SU-1.6NR.TH
SU-2NR.TH
SU-2.5NR.TH



No.	Parts No.	Parts name	Specification	Q'ty/set			Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty	Price	
				SU-1.6	SU-2	SU-2.5				Unit	Amount
				NR.TH							
1	E02 141 521	GRILLE(OUT)		1	1	1					
2	E02 141 232	CABINET		1	1	1					
3	E02 141 630	OUTDOOR HEAT EXCHANGER		1							
	E02 138 630	OUTDOOR HEAT EXCHANGER			1						
	E02 147 630	OUTDOOR HEAT EXCHANGER				1					
4	E02 141 501	PROPELLER FAN		1	1	1					
5	E02 140 515	MOTOR SUPPORT		1							
	E02 138 515	MOTOR SUPPORT			1						
	E02 139 515	MOTOR SUPPORT				1					
6	E02 141 301	FAN MOTOR		1				MF			
	E02 144 301	FAN MOTOR			1			MF			
	E02 147 301	FAN MOTOR				1		MF			
7	E02 229 381	THERMAL REED SWITCH				1		26F1			
8	E02 075 506	COMPRESSOR RUBBER MOUNT	3RUBBER	3							
	E02 138 506	COMPRESSOR RUBBER MOUNT	4RUBBER		4	4					
9	E02 271 900	COMPRESSOR	RH-207NHDT	1				MC			
	E07 058 900	COMPRESSOR	NH-33NCDT		1			MC			
	E02 177 900	COMPRESSOR	NH-38NBDT			1		MC			

Part number that are circled is not shown in the illustration.

No.	Parts No.	Parts name	Specification	Q'ty/set			Remarks (Drawing No.)	Wiring Diagram Symbol	Recom-mended Q'ty	Price	
				SU-1.6	SU-2	SU-2.5				Unit	Amount
				NR.TH							
10	E02 140 290	BASE		1							
	E02 138 290	BASE			1						
	E02 176 290	BASE				1					
11	E07 058 932	ACCUMULATOR			1	1					
12	E02 140 661	STOP VALVE(GAS)	ϕ12.7	1							
	E02 150 661	STOP VALVE(GAS)	ϕ15.88		1	1					
13	E02 139 662	STOP VALVE(LIQUID)	ϕ6.35	1	1						
	E02 176 662	STOP VALVE(LIQUID)	ϕ9.52			1					
14	E02 141 245	SERVICE PANEL		1	1	1					
15	E02 288 343	FAN MOTOR RELAY				1		X1			
16	E02 095 382	FUSE(OUT)	250V 2A	1	1	1		F			
17	E07 001 241	FUSE HOLDER		1	1	1					
18	E02 209 374	TERMINAL BLOCK		1	1	1		TB			
19	E07 056 374	TERMINAL BLOCK		1	1	1		TB2			
20	E02 138 351	FAN MOTOR CAPACITOR	3.0μF-440VAC	1	1	1		C2			
21	E02 079 353	COMPRESSOR CAPACITOR	30μF-440VAC	1				C1			
	E07 058 353	COMPRESSOR CAPACITOR	40μF-440VAC		1			C1			
	E02 082 353	COMPRESSOR CAPACITOR	50μF-440VAC			1		C1			
22	E07 057 340	COMPRESSOR CONTACTOR	S-N11EX	1				52C			
	E07 058 340	COMPRESSOR CONTACTOR	S-N18EX		1	1		52C			
23	E07 042 384	SURGE ABSORBER		1	1	1		CR			
24	E07 054 233	BACK PANEL(OUT)		1							
	E02 140 233	BACK PANEL(OUT)			1	1					
㉕	E02 069 644	DIS PRESSURE REGULATOR		1	1	1					
㉖	E07 057 933	STRAINER		1							
	E07 059 933	STRAINER			1	1					
㉗	E07 057 936	CAPILLARY TUBE	ϕ3.0×ϕ1.8×L100	1							
	E02 147 937	CAPILLARY TUBE	ϕ3.0×ϕ2.0×L100		1	1					
	E02 271 936	CAPILLARY TUBE	ϕ3.0×ϕ1.8×L550	1							
	E02 138 936	CAPILLARY TUBE	ϕ3.0×ϕ2.0×L700		1						
	E02 283 936	CAPILLARY TUBE	ϕ3.0×ϕ2.0×L600			1					
㉘	E07 057 305	THERMAL SWITCH		1	1	1		26C			

Mr.SLIM™

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