

May 2007

 No.OC338  
 REVISED EDITION-C

# SERVICE MANUAL

**R410A**

 Outdoor unit  
 [model names]

PUAZ-RP200YHA

PUAZ-RP250YHA

[Service Ref.]

**PUAZ-RP200YHA  
 PUAZ-RP200YHA<sub>1</sub>  
 PUAZ-RP200YHA<sub>2</sub>  
 PUAZ-RP250YHA  
 PUAZ-RP250YHA<sub>1</sub>  
 PUAZ-RP250YHA<sub>2</sub>**

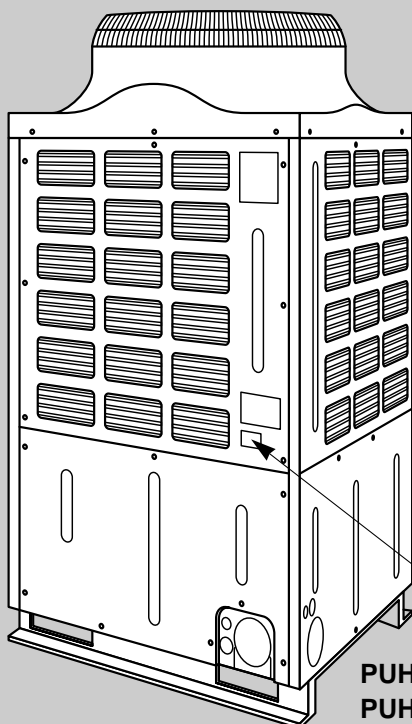
Revision:

- PUAZ-RP200/250YHA<sub>2</sub> are added in REVISED EDITION-C.
- Some descriptions have been modified.

- Please void OC338 REVISED EDITION-B.

NOTE:

- This manual describes only service data of the outdoor units.
- RoHS compliant products have <G> mark on the spec name plate.
- For servicing of RoHS compliant products, refer to the RoHS Parts List.


 Model name  
 indication

**PUAZ-RP200YHA  
 PUAZ-RP200YHA<sub>1</sub>  
 PUAZ-RP200YHA<sub>2</sub>  
 PUAZ-RP250YHA  
 PUAZ-RP250YHA<sub>1</sub>  
 PUAZ-RP250YHA<sub>2</sub>**

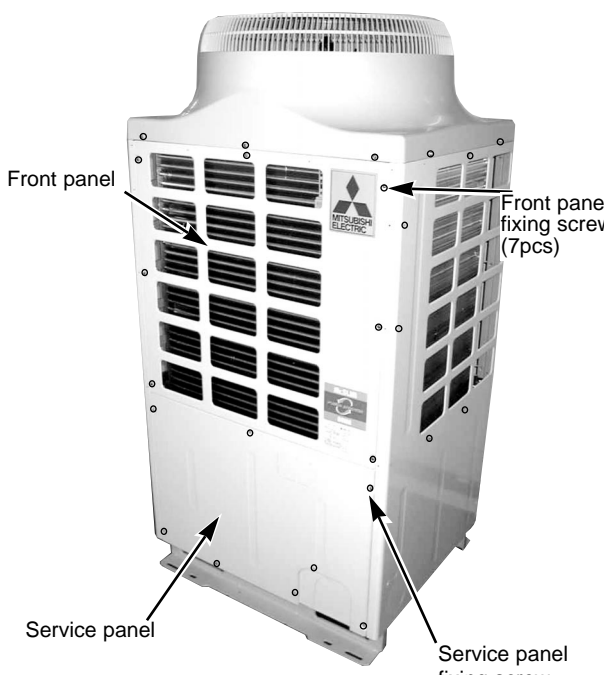
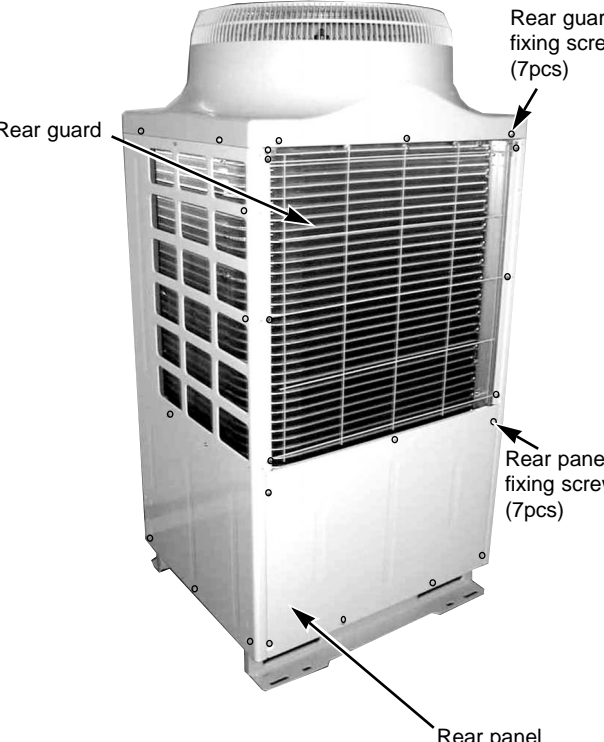
## CONTENTS

1. TECHNICAL CHANGES .....	2
2. REFERENCE MANUAL .....	2
3. SAFETY PRECAUTION .....	3
4. FEATURES .....	7
5. SPECIFICATIONS .....	8
6. DATA .....	9
7. OUTLINES AND DIMENSIONS .....	12
8. WIRING DIAGRAM .....	13
9. WIRING SPECIFICATIONS .....	14
10. SPECIFICATIONS FOR ELECTRICAL WORK .....	15
11. REFRIGERANT SYSTEM DIAGRAM .....	19
12. TROUBLESHOOTING .....	21
13. FUNCTION SETTING .....	70
14. EASY MAINTENANCE FUNCTION .....	77
15. MONITORING THE OPERATION DATA BY THE REMOTE CONTROLLER ...	80
16. DISASSEMBLY PROCEDURE .....	90
17. PARTS LIST .....	98
18. RoHS PARTS LIST .....	104



**PUHZ-RP200YHA/YHA<sub>1</sub>/YHA<sub>2</sub>**  
**PUHZ-RP250YHA/YHA<sub>1</sub>/YHA<sub>2</sub>**

- ※ When servicing, pay careful attention in removing heavy parts.
- ※ Collect the refrigerant before you service the refrigerant system.
- ※ When brazing, make sure to apply the non-oxidizing braze.

OPERATING PROCEDURE	PHOTOS
<p><b>1. Removing the service panel</b></p> <p>(1) Remove 8 service panel fixing screws (5×10) (see photo 1) .</p> <p>(2) Remove the service panel by sliding it towards you.</p> <p>※ It is the panel to remove when you maintain the refrigerant circuit, electrical parts, and compressor.</p>	<p><b>Photo 1 (front)</b></p>  <p>Labels in Photo 1: Front panel, Front panel fixing screw (7pcs), Service panel, Service panel fixing screw (8pcs).</p>
<p><b>2. Removing the rear panel</b></p> <p>(1) Remove 7 rear panel fixing screws (5×10) (see photo 2).</p> <p>(2) Remove the rear panel by sliding it towards you.</p> <p>※ It is the panel to remove when you maintain the machine room from the rear side.</p>	<p><b>Photo 2 (rear)</b></p>  <p>Labels in Photo 2: Rear guard, Rear guard fixing screw (7pcs), Rear panel fixing screw (7pcs), Rear panel.</p>
<p><b>3. Removing the front panel</b></p> <p>(1) Remove 7 front panel fixing screws (5×10) (see photo 1).</p> <p>(2) Remove the front panel by sliding it towards you, then upward.</p> <p>※ It is the panel to remove when you maintain the thermistor and the fan motor.</p>	

## OPERATING PROCEDURE

### 4. Removing the fan motor

#### (1) Remove

- 14 fan guard fixing screws (5×15) (See photo 3.)
- Fan guard by sliding it upward
- Cap by pulling it upward (See photo 4.)
- Propeller fixing nut (M16, left screw)
- Washer ( $\phi$ 32) and the propeller from the fan motor shaft (See photo 4.)
- Propeller holding washer ( $\phi$ 40) from the fan motor shaft

**Note 1: Be careful not to drop any of the cap, nuts, and washers inside the unit.**

#### (2) Remove the service panel and the front panel.

#### (3) Disconnect the relay connector of the fan motor lead wire in the electrical parts box.

#### (4) Loosen all the clamps for the fan motor lead wire, and pull out the wire from the penetration part.

#### (5) Remove

- 4 motor support fixing screws (5×15)
- Motor support together with the fan motor (See photo 4.)

**Note 2: The motor support and the fan motor should be held by two people.**

#### (6) Remove

- 4 fan motor fixing screws (M6×16)
- Fan motor (See photo 5.)

## PHOTOS

Photo 3

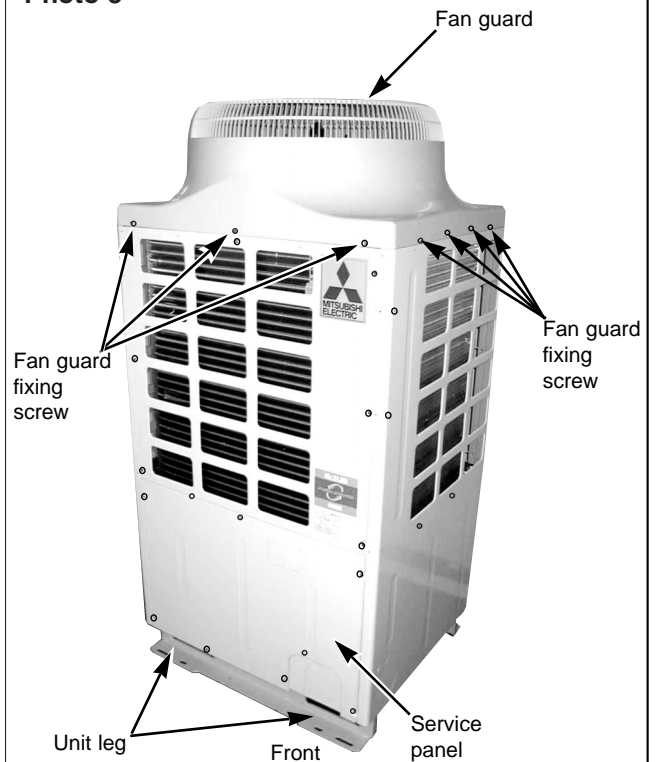


Photo 4

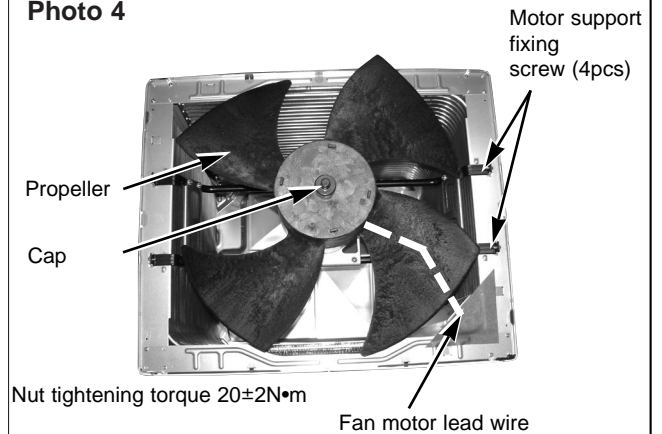
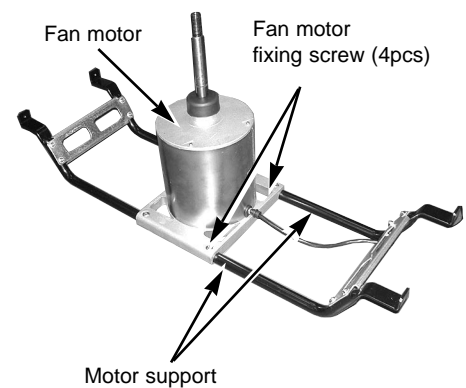


Photo 5



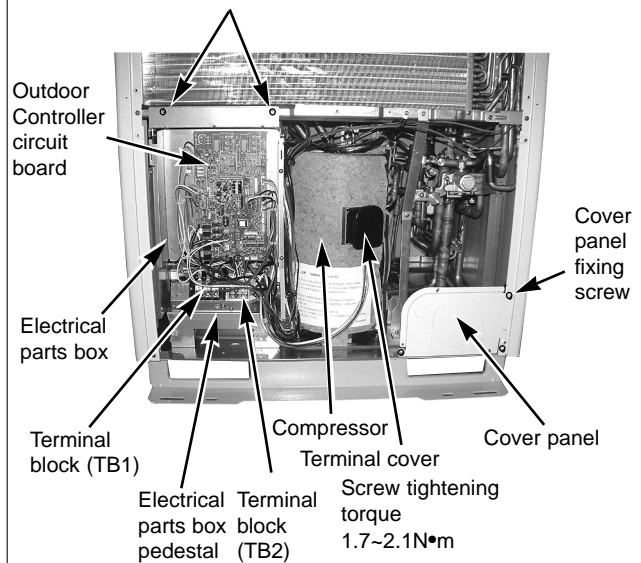
## OPERATING PROCEDURE

### 5. Removing the electrical parts box

- (1) Remove
  - Service panel(See photo 1.)
  - Waterproof sheet for the electrical parts
- (2) Disconnect
  - Power wire from TB1, and the indoor / outdoor connecting wire from TB2 (See photo 6.)
  - Fan motor relay connector
  - Lead wires in the compressor terminal cover (See photo 6.)
- (3) Disconnect all the following connectors from the controller circuit board
  - LEV-A (Linear expansion valve / 6P, white)
  - TH3 (Thermistor <Outdoor pipe> / 2P, white)
  - TH32 (Thermistor <Outdoor pipe> / 2P, black)
  - TH4 (Thermistor <Discharge> / 2P, white)
  - TH6/7 (Thermistor <Outdoor 2-phase pipe>, <Outdoor> / 4P, red)
  - 63H (High pressure switch / 3P, yellow)
  - 63L (Low pressure switch / 3P, red)
  - 21S4 (4-way solenoid valve / 3P, green)
  - SV2 (Bypass solenoid valve / 3P, blue)
- (4) Remove
  - 4 electrical parts box fixing screws (5×10)
  - Electrical parts box by sliding it towards you (See photo6.)

## PHOTOS

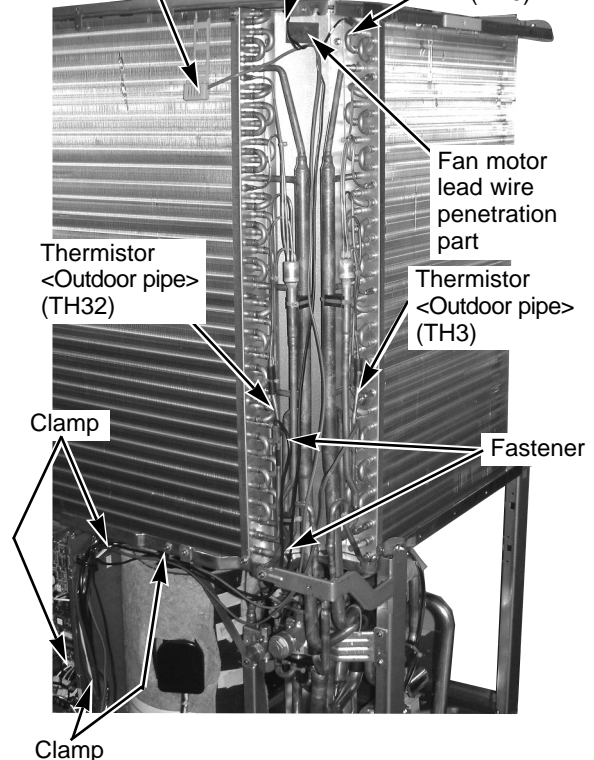
**Photo 6** Electrical parts box fixing screw



### 6. Removing the thermistor <Outdoor 2-phase pipe> (TH6) and thermistor <Outdoor> (TH7)

- ※ TH6 and TH7 are replaced together, since they are combined at the connector to the controller circuit board.
- (1) Remove the service panel and the front panel.
  - (2) Disconnect the connector TH6/7 (4P, red) from the controller circuit board.
  - (3) Loosen all the clamps for the lead wire and cut 2 fasteners (See photo 7).
  - (4) Pull out
    - Thermistor <Outdoor 2-phase pipe> (TH6) from the sensor holder mounted on the heat exchanger
    - Thermistor <Outdoor pipe> (TH7) from the sensor holder (See photo 7.)

**Photo 7** Thermistor <Outdoor> (TH7) Clamp Thermistor <Outdoor 2-phase pipe> (TH6)



### 7. Removing the thermistor <Outdoor pipe>

- (1) Remove the service panel and the front panel.
  - (2) Disconnect the connector TH3 (2P, white) or TH32 (2P, black) from the controller circuit board.
  - (3) Loosen all the clamps for the lead wire and cut 2 fasteners. (See photo 7.)
  - (4) Pull out the thermistor (TH3 or TH32) from the sensor holder mounted on the heat exchanger.(See photo 7.)
- ※ When there is difficulty in pulling out TH3 from the heat exchanger, open the side panel (right) by removing 2 side panel fixing screws (5×10).

## OPERATING PROCEDURE

### 8. Removing the thermistor <Discharge>

- (1) Remove the service panel.
- (2) Disconnect the connector TH4 (2P, white) from the controller circuit board.
- (3) Loosen all the clamps for the lead wire.(See photo 7.)
- (4) Pull out the thermistor (TH4) from the sensor holder mounted on the compressor discharging pipe.(See photo 8.)

### 9. Removing the 4-way solenoid valve coil, the linear expansion valve coil, and the bypass solenoid valve coil

- (1) Remove the service panel.

#### <4-way solenoid valve coil>

- (2) Disconnect the connector 21S4 (3P, green) from the controller circuit board.
- (3) Loosen all the clamps for the lead wire and cut 2 fasteners (see photo 7).
- (4) Remove the 4-way solenoid valve coil fixing screw (M5×6 for 200/250YHA, M4×6 for 200/250YHA<sub>1</sub>)(See photo 9.)
- (5) Remove the 4-way solenoid valve coil by sliding it towards you (see photo 8, 9).

#### <Bypass solenoid valve coil>

- (2) Disconnect the connector SV2 (3P, blue) from the controller circuit board.
- (3) Loosen all the clamps for the lead wire and cut 2 fasteners. (See photo 7.)
- (4) Remove the bypass solenoid valve coil fixing screw (M5×6). (See photo 9.)
- (5) Remove the bypass solenoid valve coil by sliding it upward.

#### <Linear expansion valve coil>

2. Disconnect the connector LEV-A (6P, white) from the controller circuit board.
3. Loosen all the clamps for the lead wire and cut 2 fasteners. (See photo 7.)
4. Remove the linear expansion valve coil by sliding it upward. (See photo 9.)

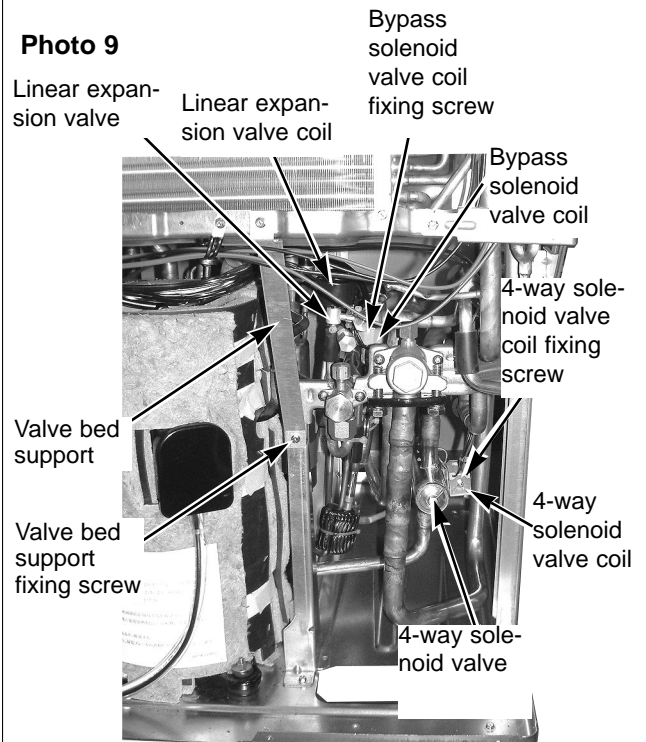
**Note) When attaching the coil, make sure to tie the lead wires with the fasteners that are equivalent to the ones you just cut.**

## PHOTOS

**Photo 8**



**Photo 9**



## OPERATING PROCEDURE

### 10. Removing the 4-way solenoid valve

(1) Remove

- Service panel (See photo 1.)
- 3 cover panel fixing screws (5×10)
- Cover panel (See photo 6.)
- 4-way solenoid valve coil. (See photo 8, 9.)
- 2 valve bed support fixing screws (5×10), then valve bed support. (See photo 9.)
- 4 valve bed fixing screws (5×10), 4 stop valve fixing screws (5×16), then valve bed (See photo 15.)

(2) Collect the refrigerant.

(3) Remove 4-way solenoid valve together with the pipes from 3 welded points shown in the photo 10.

(4) Separate 4 welded pipes from the 4-way solenoid valve.

**Note 1:** Collect the refrigerant without releasing it in the air.

**Note 2:** The welded points can be accessed easily by removing the right side panel.

**Note 3:** When installing the 4-way solenoid valve, cover it with a wet cloth to prevent it from heating (120°C or more), then braze the pipe (non-oxidizing braze).

## PHOTOS

**Photo 10** Bypass solenoid valve Thermistor <Discharge>



<Side panel (right) is removed>

### 11. Removing the linear expansion valve

(1) Remove

- Service panel (See photo 1.)
- 3 cover panel fixing screws (5×10)
- Cover panel (See photo 6.)
- Linear expansion valve coil (See photo 11.)
- 2 valve bed support fixing screws (5×10), then valve bed support (See photo 9.)
- 4 valve bed fixing screws (5×10), 4 stop valve fixing screws (5×16), then valve bed (See photo 15.)

(2) Collect the refrigerant.

(3) Remove the linear expansion valve from 2 welded points.

**Note 1:** Collect the refrigerant without releasing it in the air.

**Note 2:** The welded points can be accessed easily by removing the right side panel.

**Note 3:** When installing the linear expansion valve, cover it with a wet cloth to prevent it from heating (120°C or more), then braze the pipe (non-oxidizing braze).

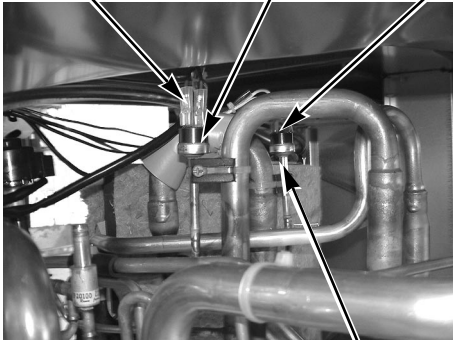
**Photo 11**

Linear expansion valve

Linear expansion valve coil





OPERATING PROCEDURE	PHOTOS & ILLUSTRATION
<p><b>12. Removing the bypass solenoid valve</b></p> <p>(1) Remove</p> <ul style="list-style-type: none"><li>• Service panel (See photo 1.)</li><li>• 3 cover panel fixing screws (5×10)</li><li>• Cover panel (See photo 6.)</li><li>• Bypass solenoid valve coil (See photo 9.)</li><li>• 2 valve bed support fixing screws (5×10), then valve bed support (See photo 9.)</li><li>• 4 valve bed fixing screws (5×10), 4 stop valve fixing screws (5×16), then valve bed (See photo 15.)</li></ul> <p>(2) Collect the refrigerant.</p> <p>(3) Remove the bypass solenoid valve from 2 welded points.</p> <p><b>Note 1: Collect the refrigerant without releasing it in the air.</b></p> <p><b>Note 2: The welded points can be accessed easily by removing the right side panel.</b></p>	
<p><b>13. Removing the low pressure switch and the high pressure switch</b></p> <p>(1) Remove</p> <ul style="list-style-type: none"><li>• Service panel (See photo 1.)</li><li>• 3 cover panel fixing screws (5×10)</li><li>• Cover panel (See photo 6.)</li><li>• 2 valve bed support fixing screws (5×10), then valve bed support (See photo 9.)</li><li>• 4 valve bed fixing screws (5×10), 4 stop valve fixing screws (5×16), then valve bed (See photo 15.)</li></ul> <p>(3) Disconnect the lead wire for the low pressure switch or the high pressure switch. (See photo 12.)</p> <p>(4) Collect the refrigerant.</p> <p>(5) Remove the low pressure switch or the high pressure switch from the welded part.</p> <p><b>Note 1: Collect the refrigerant without releasing it in the air.</b></p> <p><b>Note 2: The welded points can be accessed easily by removing the right side panel.</b></p> <p><b>Note 3: When installing the low / high pressure switch, cover it with a wet cloth to prevent it from heating (100°C or more), then braze the pipe (non-oxidizing braze).</b></p>	<p><b>Photo 12</b></p> <p>Lead wire for the high pressure switch      High pressure switch      Lead wire for the low pressure switch</p>  <p>Low pressure switch</p>

## OPERATING PROCEDURE

## PHOTOS & ILLUSTRATION

### 14. Removing the reactor

#### (1) Remove

- Service panel (See photo 1.)
- 2 screws (4×8) that hold the terminal block fixing metal plate in front of the electrical parts box, then slightly pull the plate towards you
- 4 screws (4×8) that hold the controller circuit board fixing metal plate in front of the electrical parts box, then tilt the plate towards you (See photo 6.)
- 3 reactor fixing screws (4×8)
- Remove the reactor by sliding it upward. (See photo 14.)

Photo 13

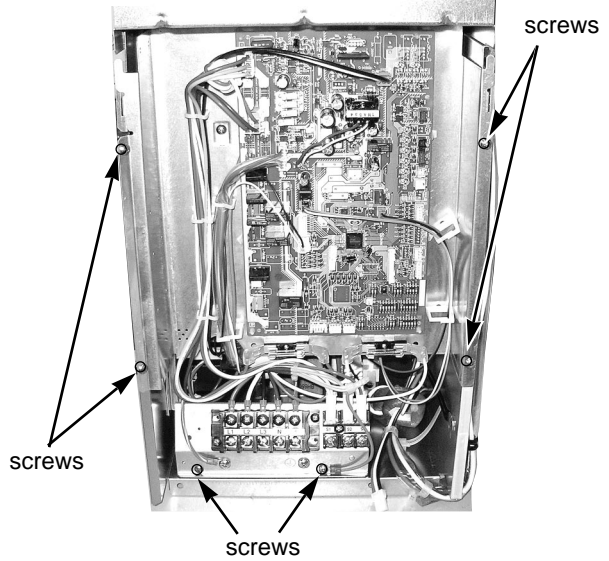
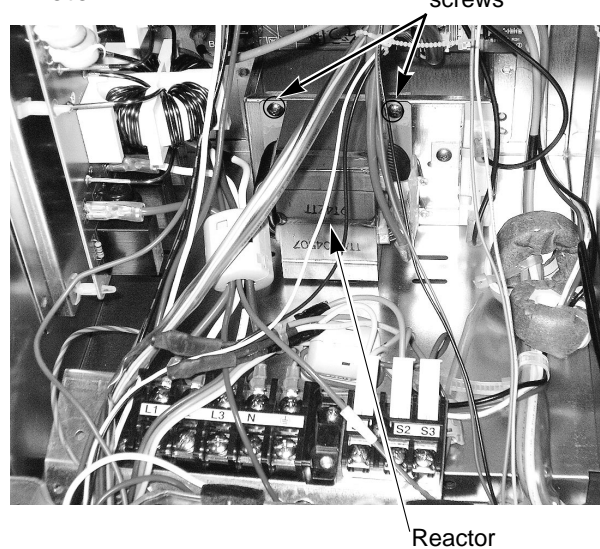


Photo 14



### 15. Removing the compressor

#### (1) Remove

- Service panel (See photo 1.)
- 3 cover panel fixing screws (5×10)
- Cover panel (See photo 6.)
- 2 valve bed support fixing screws (5×10), then valve bed support (See photo 9.)
- 4 valve bed fixing screws (5×10), 4 stop valve fixing screws (5×16), then valve bed (See photo 15.)
- Terminal cover
- 3 lead wire fixing screws (M5×10), then disconnect the lead wire of terminal (See photo 15.)

#### (2) Collect the refrigerant.

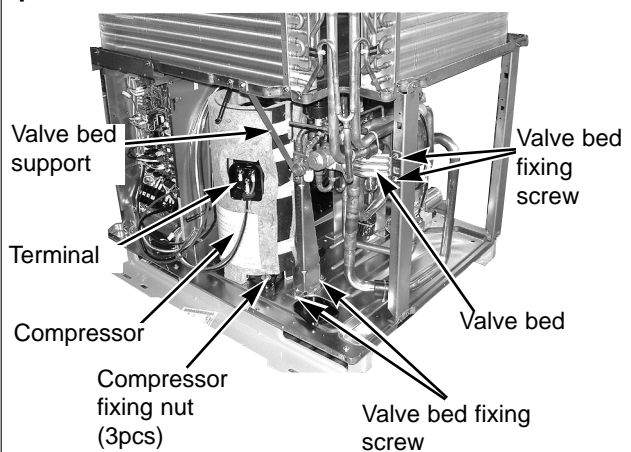
#### (3) Remove the sound insulation.

#### (4) Disengage the welded points of the compressor inlet and discharge pipes.

#### (5) Remove 3 compressor fixing nuts by using a spanner or a adjustable wrench.

**Note: Collect the refrigerant without releasing it in the air.**

photo 15





## OPERATING PROCEDURE

### 16. Removing the accumulator

(1) Remove

- Service panel (See photo 1.)
- Electrical parts box (See photo 6.)
- 2 electrical parts box leg fixing screws (5×10), then electrical parts box legs (See photo 6.)
- 2 lower fixing screws (5×10) of the heatsink duct
- 2 screws (4×10) which hold the metal plate above the heatsink, then remove the plate
- Fan guard
- 3 upper fixing screws (5×10) of the heatsink duct located below the fan motor, then remove the heatsink duct (See photo 16.)

(2) Collect the refrigerant.

(3) Disengage 2 welded points of the accumulator inlet and outlet. (See photo 17.)

(4) Remove 4 accumulator fixing screws (5×10), then take out the accumulator.

**Note 1:** Collect the refrigerant without releasing in the air.

**Note 2:** The welded points can be accessed easily by removing the rear panel. When servicing from the rear side, remove the rear panel first, then follow the procedure from (2) mentioned above.

## PHOTOS

Photo 16

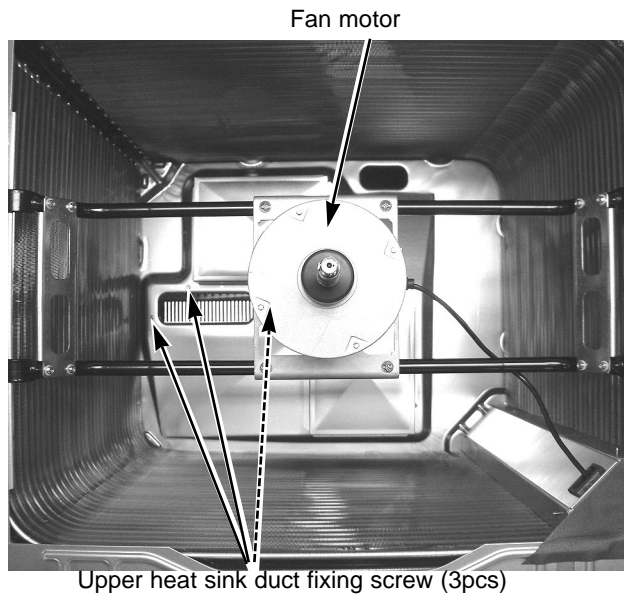
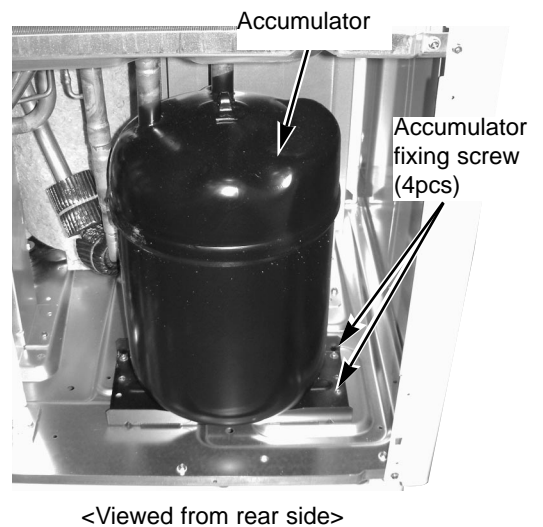
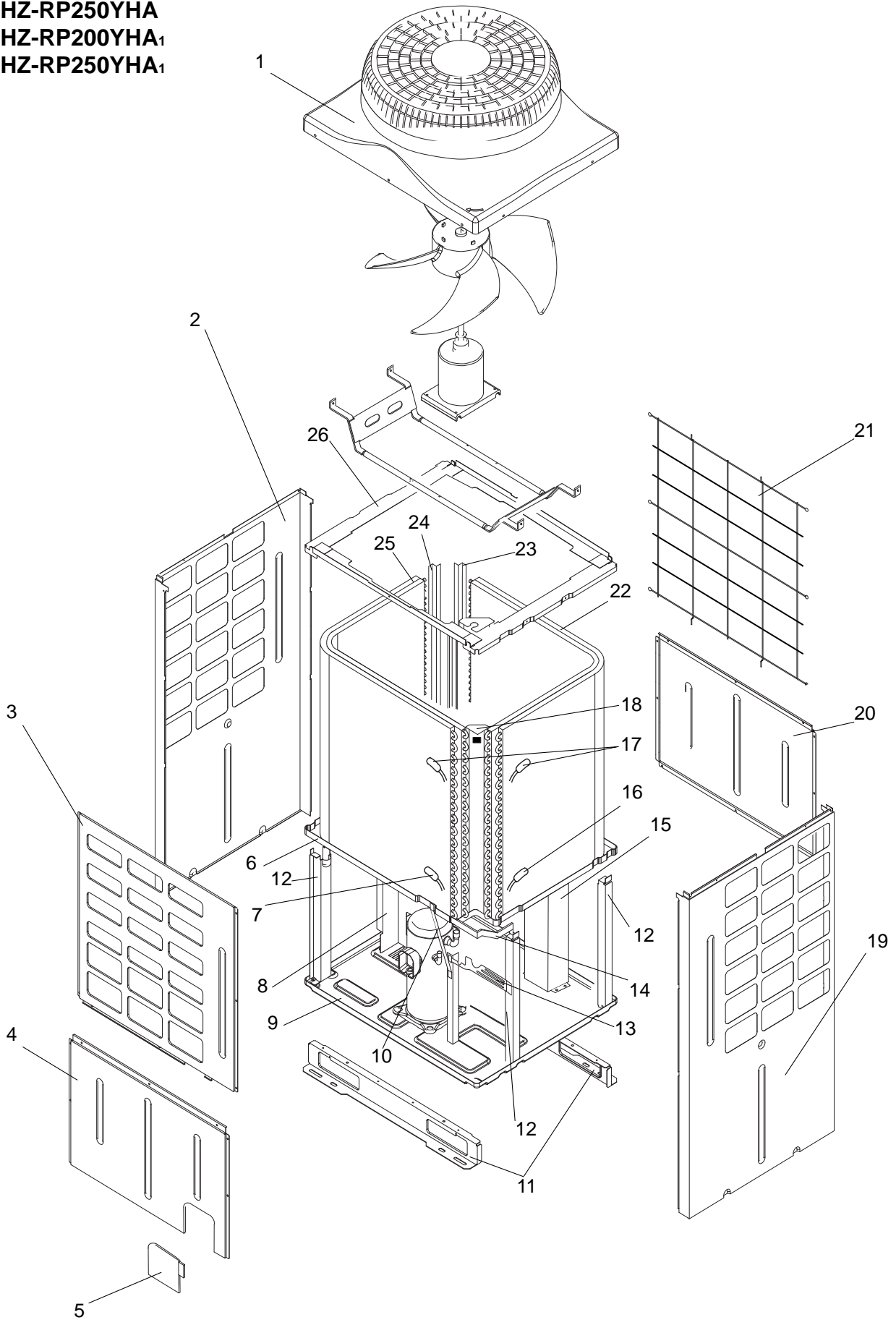


Photo 17



**STRUCTURAL PARTS**

**PUHZ-RP200YHA  
PUHZ-RP250YHA  
PUHZ-RP200YHA<sub>1</sub>  
PUHZ-RP250YHA<sub>1</sub>**



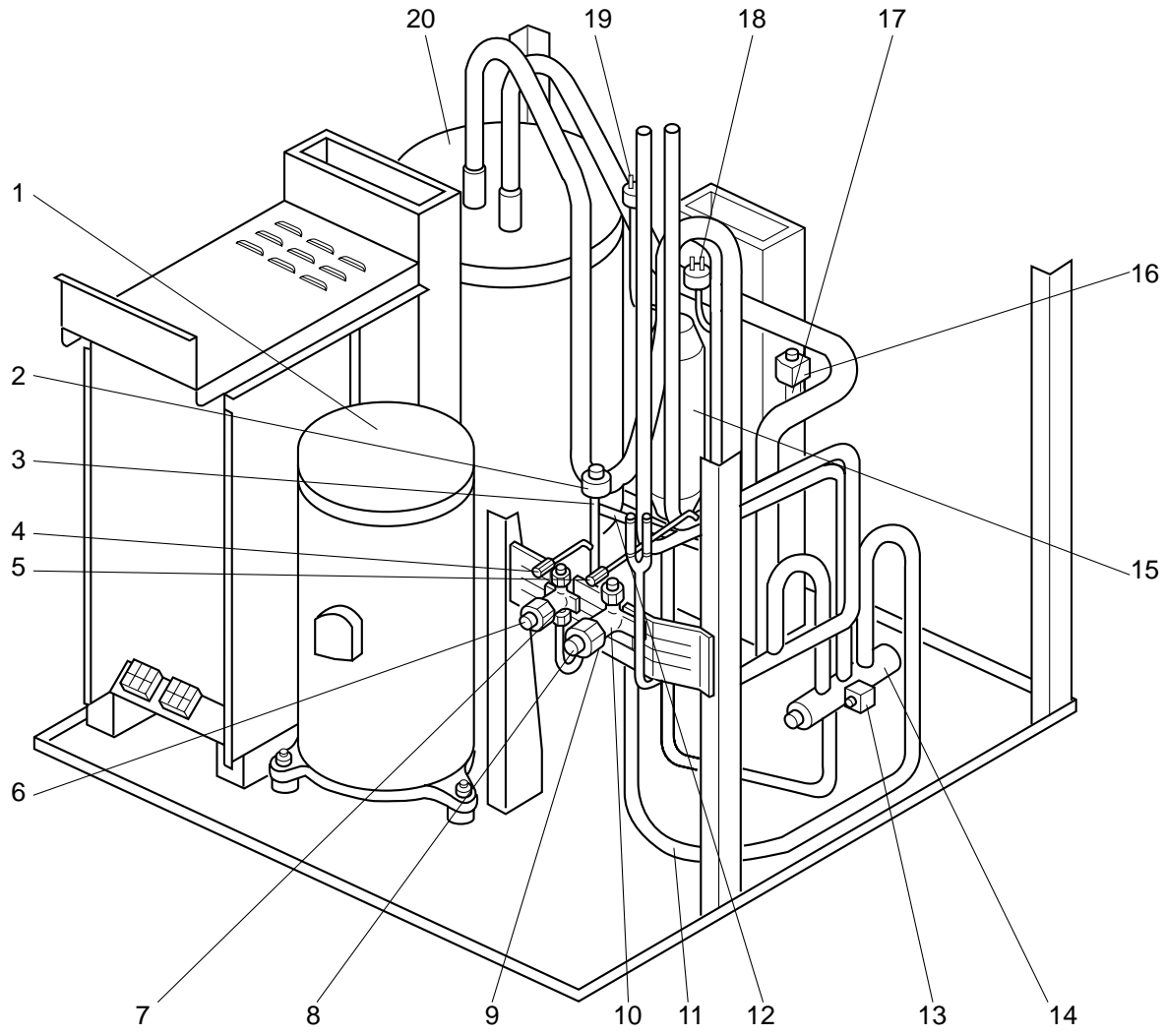


Part numbers that are circled are not shown in the figures.

No.	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
				PUHZ-RP200/250					Unit	Amount
				YHA	YHA <sub>1</sub>					
1	R01 E01 675	FAN GUARD		1	1					
2	R01 E05 662	SIDE PANEL (L)		1	1					
3	R01 E06 668	FRONT PANEL		1	1					
4	R01 E05 667	SERVICE PANEL		1	1					
5	R01 E06 658	COVER PANEL		1						
	R01 E07 658	COVER PANEL			1					
6	—	SEPARATOR		1	1	(RG00N510G03)				
7	R01 H75 202	THERMISTOR (OUTDOOR PIPE)		1	1		TH32			
8	—	HEAT SINK DUCT		1	1	(RG00T950G07)				
9	—	BASE		1	1	(BG02Q044G08)				
10	—	VALVE BED SUPPORT		1	1	(BH02C038H01)				
11	R01 E00 808	LEG		2	2					
12	—	SUPPORT		4	4	(RG02N341H04)				
13	—	VALVE BED		1	1	(RG02N340G05)				
14	—	SEPARATOR SUPPORT		1	1	(RG02T894H03)				
15	—	DRAIN DUCT		1	1	(RG00T951G05)				
16	R01 E74 202	THERMISTOR (OUTDOOR PIPE)		1	1		TH3			
17	R01 H76 202	THERMISTOR (OUTDOOR)		1	1		TH6,TH7			
18	—	HEAT EXCHANGER JOINT		1	1	(RG02N346G10)				
19	R01 E10 661	SIDE PANEL (R)		1	1					
20	R01 E07 667	REAR PANEL		1	1					
21	R01 E03 698	REAR GUARD		1	1					
22	R01 E66 408	HEAT EXCHANGER (1)		1	1					
23	—	COIL PLATE (1)		1	1	(RG02N397H05)				
24	—	COIL PLATE (2)		1	1	(RG02N397K05)				
25	R01 E39 409	HEAT EXCHANGER (2)		1	1					
26	—	TOP FRAME		1	1	(RG00N473G09)				
②⑦	—	LABEL (MITSUBISHI)		1	1	(DG79R130H01)				
②⑧	—	LABEL (INVERTER)		1	1	(BK79C208G02)				
②⑨	—	ELECTRICAL PARTS BOX STAND		1	1	(RG02T748H04)				
③⑩	—	SENSOR HOLDER		1	1	(BG25V080H03)				
③①	—	SEPARATOR CAP		2	2	(RG02T749H04)				



**FUNCTIONAL PARTS**  
**PUHZ-RP200YHA**  
**PUHZ-RP250YHA**  
**PUHZ-RP200YHA<sub>1</sub>**  
**PUHZ-RP250YHA<sub>1</sub>**





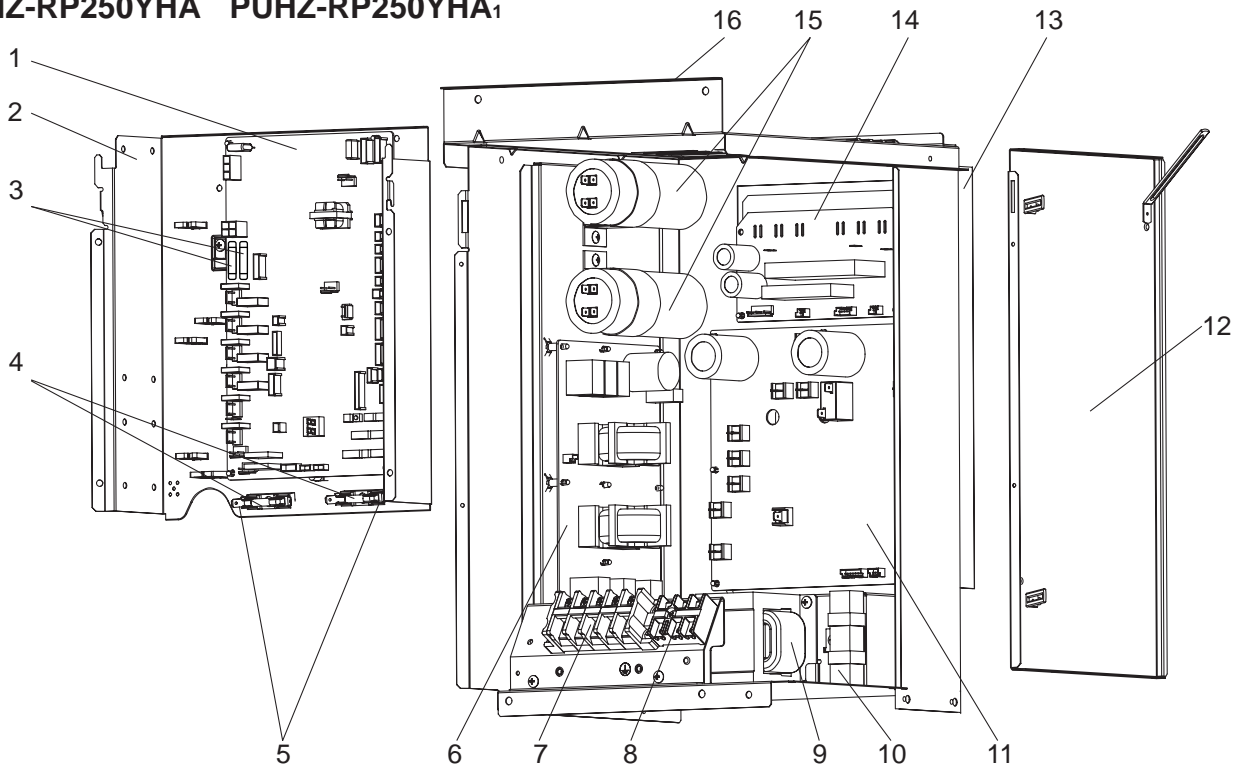
Part numbers that are circled are not shown in the figures.

No.	Part No.	Part Name	Specification	Q'ty/set				Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
				PUHZ-RP		YHA					Unit	Amount
				200	250	200	250					
1	T97 410 741	COMPRESSOR	ANV47FFBMT	1	1	1	1		MC			
2	R01 E20 242	LINEAR EXPANSION VALVE COIL		1	1	1	1		LEV			
3	R01 E59 401	LINEAR EXPANSION VALVE		1	1	1	1					
4	R01 E06 413	CHARGE PLUG		1	1	1	1					
5	R01 E05 413	CHARGE PLUG		1	1	1	1					
6	R01 E09 410	STOP VALVE	3/8F	1		1						
	R01 E08 410	STOP VALVE	1/2F		1							
	R01 E11 410	STOP VALVE	1/2F				1					
7	R01 E00 450	STRAINER		1		1						
	R01 30L 450	STRAINER			1		1					
8	R01 E07 410	STOP VALVE	1F	1	1	1	1					
9	R01 E00 570	GASKET		1	1	1	1					
10	R01 E00 417	FLANGE ASSY		1		1						
	T7W E01 417	FLANGE ASSY			1		1					
11	R01 E01 450	STRAINER		1	1	1	1					
12	R01 E02 450	STRAINER		2	2	2	2					
13	T7W E07 242	SOLENOID COIL (FOUR-WAY VALVE)		1	1				21S4			
	T7W E26 242	SOLENOID COIL (FOUR-WAY VALVE)				1	1		21S4			
14	R01 E11 403	SOLENOID VALVE (FOUR-WAY VALVE)		1	1							
	R01 E12 403	SOLENOID VALVE (FOUR-WAY VALVE)				1	1					
15	R01 E04 490	OIL SEPARATOR		1	1	1	1					
16	T7W E06 242	SOLENOID COIL (BYPASS VALVE)		1	1				SV			
	T7W E27 242	SOLENOID COIL (BYPASS VALVE)				1	1		SV			
17	R01 E03 428	SOLENOID VALVE (BYPASS VALVE)		1	1							
	R01 E11 428	SOLENOID VALVE (BYPASS VALVE)				1	1					
18	T7W E03 208	HIGH PRESSURE SWITCH		1	1	1	1		63H			
19	R01 25T 209	LOW PRESSURE SWITCH		1	1	1	1		63L			
20	T7W E13 440	ACCUMULATOR		1	1	1	1					
21	R01 E00 201	THERMISTOR (DISCHARGE)		1	1	1	1		TH4			
22	—	SOUND INSULATION		1	1	1	1	(RG33N368G07)				
23	R01 E19 425	CAPILLARY TUBE	3.0×1.0×1000	1	1	1	1					
24	R01 E20 425	CAPILLARY TUBE	3.0×1.0×300	1	1	1	1					

## ELECTRICAL PARTS

PUHZ-RP200YHA PUHZ-RP200YHA<sub>1</sub>

PUHZ-RP250YHA PUHZ-RP250YHA<sub>1</sub>



Part number that is circled is not shown in the figures.

No.	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
				YHA	YHA <sub>1</sub>				Unit	Amount
1	T7W E27 315	CONTROLLER CIRCUIT BOARD		1			C.B.			
	T7W E41 315	CONTROLLER CIRCUIT BOARD			1		C.B.			
2	—	CIRCUIT BOARD SUPPORT PLATE		1	1	(RG02N450G10)				
3	R01 E02 239	FUSE	250V 6.3A	2	2		F 3,4			
4	R01 E03 239	FUSE	250V 15A	2	2		FUSE <sub>1,2</sub>			
5	R01 30L 241	FUSE HOLDER		2	2					
6	T7W E06 346	NOISE FILTER CIRCUIT BOARD		1			N.F.			
	T7W E15 346	NOISE FILTER CIRCUIT BOARD			1		N.F.			
7	T7W E06 716	TERMINAL BLOCK (POWER SUPPLY)	5P(L1,L2,L3,N,⊕)	1	1		TB1			
8	R01 17J 246	TERMINAL BLOCK (INDOOR / OUTDOOR)	3P(S1,S2,S3)	1	1		TB2			
9	T7W E05 259	REACTOR	2.7mH 25A	1	1		DCL			
10	R01 E08 233	RUSH CURRENT PROTECT RESISTOR	16Ω	1	1		RS			
11	T7W E11 313	POWER CIRCUIT BOARD		1			P.B.			
	T7W E27 313	POWER CIRCUIT BOARD			1		P.B.			
12	—	ELECTRICAL PARTS BOX RIGHT SIDE PLATE		1	1	(RG02N349G06)				
13	—	HEAT SINK		1	1	(RG11N336G05)				
14	T7W E38 310	FAN CONTROLLER CIRCUIT BOARD		1			F.C.			
	T7W E49 310	FAN CONTROLLER CIRCUIT BOARD			1		F.C.			
15	T7W E03 254	MAIN SMOOTHING CAPACITOR		2	2		CB1, 2			
16	—	ELECTRICAL PARTS BOX		1	1	(RG00N768G02)				
⑰	—	WATERPROOF SHEET FOR THE ELECTRICAL PARTS		1	1	(BH00C028G10)				

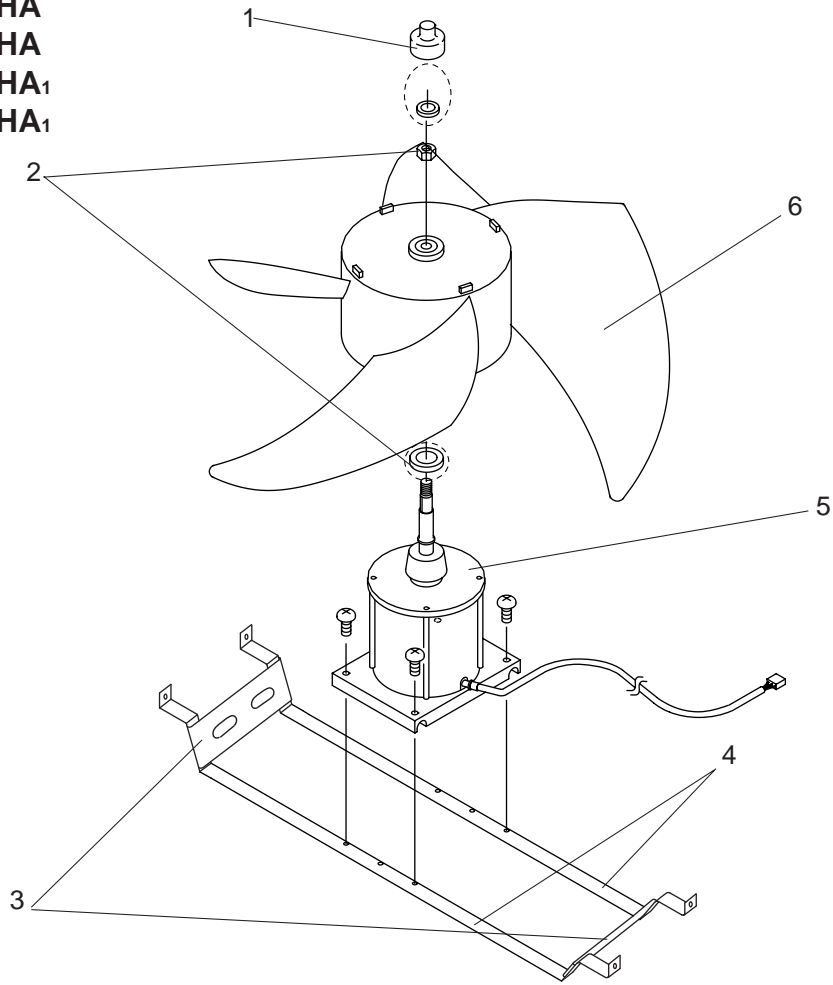
**FAN PARTS**

PUHZ-RP200YHA

PUHZ-RP250YHA

PUHZ-RP200YHA<sub>1</sub>

PUHZ-RP250YHA<sub>1</sub>



No.	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
				PUHZ-RP200/250 YHA	YHA <sub>1</sub>				Unit	Amount
1	R01 E01 122	MOTOR CAP		1	1					
2	R01 E05 097	NUT M16		1	1	Nut×1, washer×2 in a set				
3	—	SUPPORT		2	2	(BG02U187H03)				
4	R01 E20 130	MOTOR SUPPORT		2	2					
5	T7W E26 763	FAN MOTOR		1	1		MF			
6	R01 E03 115	PROPELLER FAN		1	1					

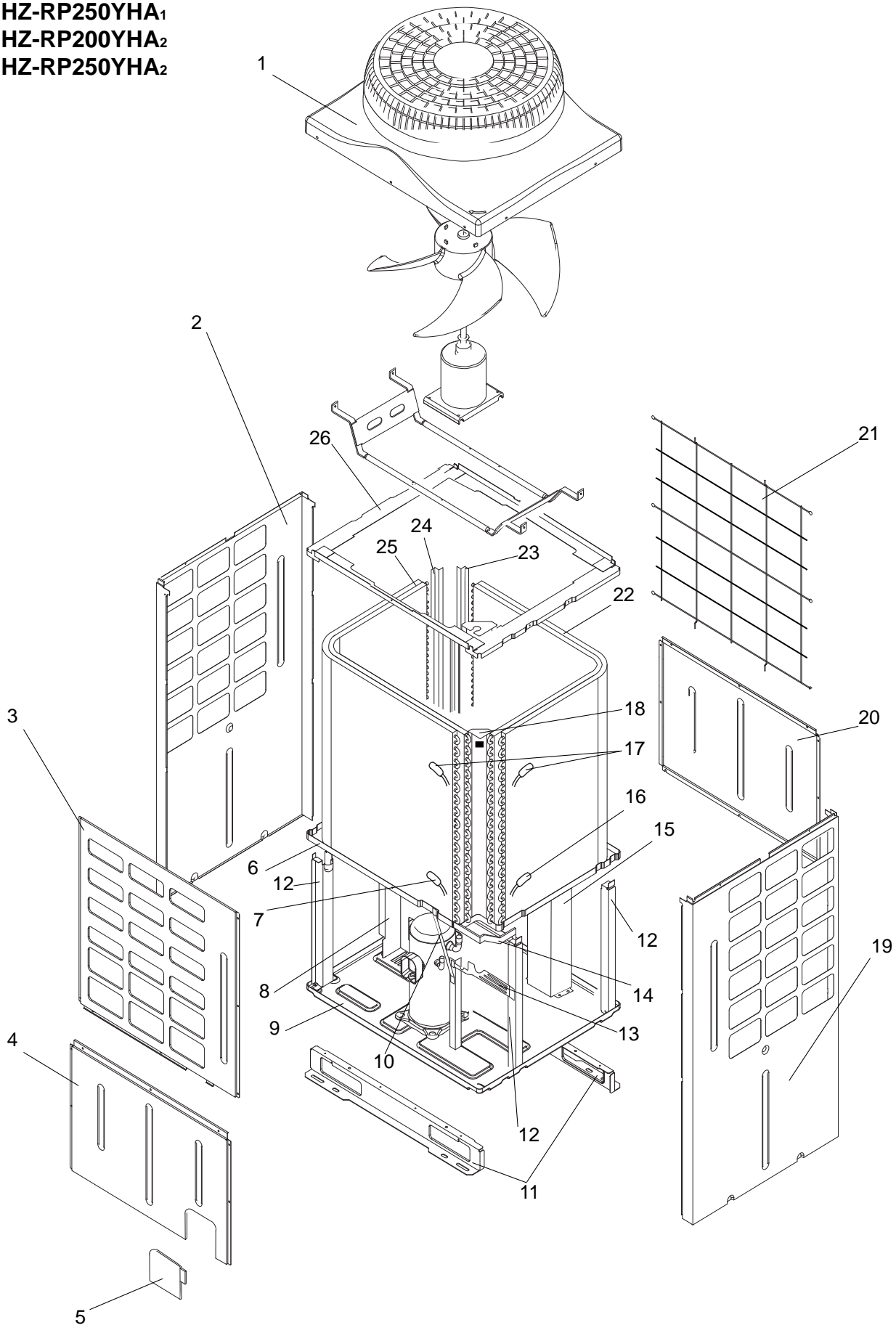
STRUCTURAL PARTS

PUHZ-RP200YHA<sub>1</sub>

PUHZ-RP250YHA<sub>1</sub>

PUHZ-RP200YHA<sub>2</sub>

PUHZ-RP250YHA<sub>2</sub>

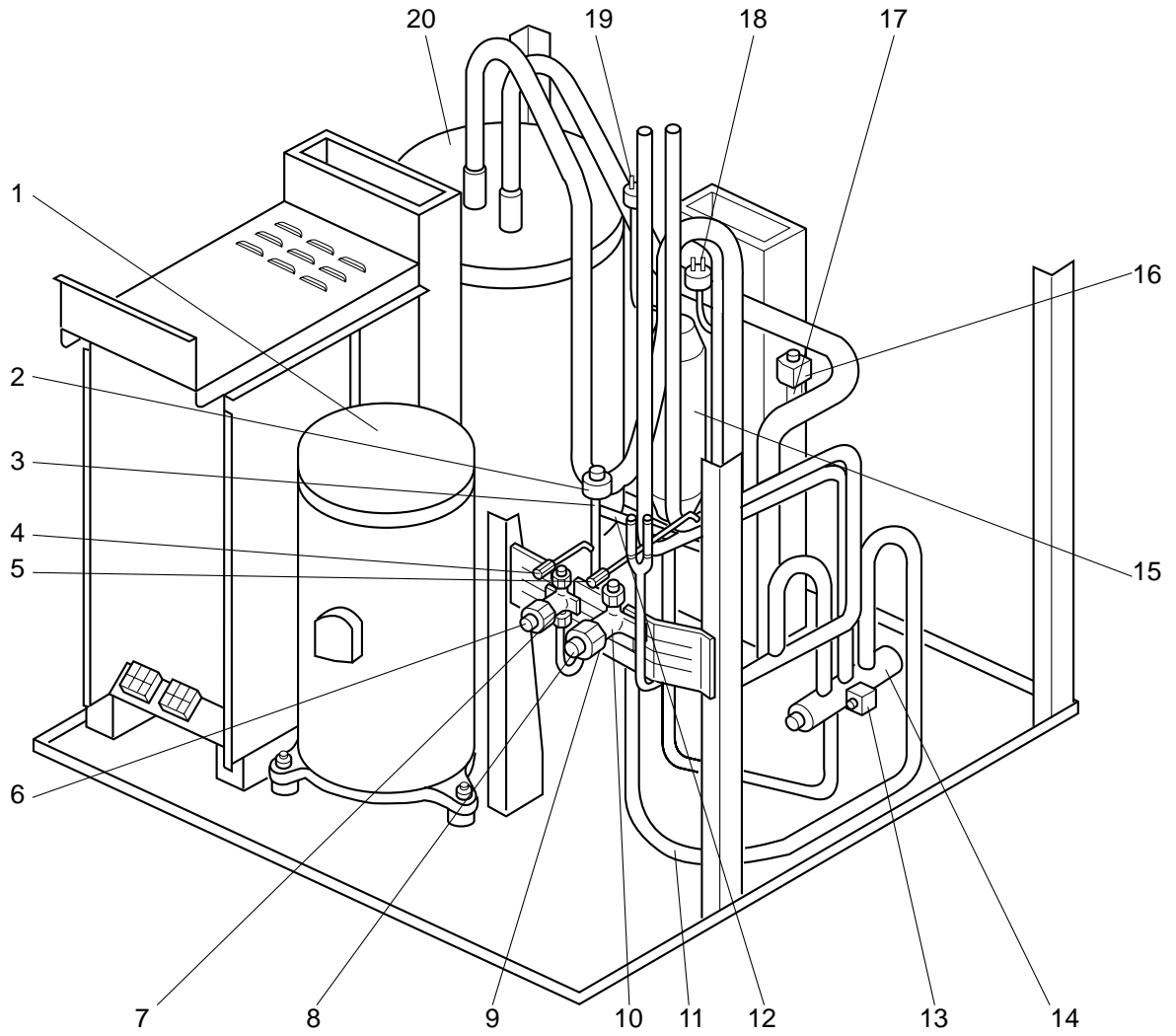




Part numbers that are circled are not shown in the figures.

No.	RoHS	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
					PUHZ-RP200, 250 YHA <sub>1</sub>	YHA <sub>2</sub>				Unit	Amount
1	G	R01 E02 675	FAN GUARD		1	1					
2	G	R01 E17 662	SIDE PANEL (L)		1	1					
3	G	R01 E10 668	FRONT PANEL		1	1					
4	G	R01 E15 667	SERVICE PANEL		1	1					
5	G	R01 E15 658	COVER PANEL		1						
	G	R01 E19 658	COVER PANEL			1					
6	G	—	SEPARATOR		1	1	(RG00N510G03)				
7	G	R01 H04 202	THERMISTOR (OUTDOOR PIPE)		1	1		TH32			
8	G	—	HEAT SINK DUCT		1	1	(RG00T950G07)				
9	G	—	BASE		1	1	(BG02Q044G08)				
10	G	—	VALVE BED SUPPORT		1	1	(BH02C038H01)				
11	G	R01 E02 808	LEG		2	2					
12	G	—	SUPPORT		4	4	(RG02N341H04)				
13	G	—	VALVE BED		1	1	(RG02N340G05)				
14	G	—	SEPARATOR SUPPORT		1	1	(RG02T894H03)				
15	G	—	DRAIN DUCT		1	1	(RG00T951G05)				
16	G	R01 H03 202	THERMISTOR (OUTDOOR PIPE)		1	1		TH3			
17	G	R01 H02 202	THERMISTOR (OUTDOOR)		1	1		TH6,TH7			
18	G	—	HEAT EXCHANGER JOINT		1	1	(RG02N346G10)				
19	G	R01 E33 661	SIDE PANEL (R)		1	1					
20	G	R01 E16 667	REAR PANEL		1	1					
21	G	R01 E08 698	REAR GUARD		1	1					
22	G	R01 E92 408	HEAT EXCHANGER (1)		1	1					
23	G	—	COIL PLATE (1)		1	1	(RG02N397H05)				
24	G	—	COIL PLATE (2)		1	1	(RG02N397K05)				
25	G	R01 E41 409	HEAT EXCHANGER (2)		1	1					
26	G	—	TOP FRAME		1	1	(RG00N473G09)				
27	G	—	LABEL (MITSUBISHI)		1	1	(DG79R130H01)				
28	G	—	LABEL (INVERTER)		1	1	(BK79C208G02)				
29	G	—	ELECTRICAL PARTS BOX STAND		1	1	(RG02T748H04)				
30	G	—	SENSOR HOLDER		1	1	(BG25V080H03)				
31	G	—	SEPARATOR CAP		2	2	(RG02T749H04)				

**FUNCTIONAL PARTS**  
**PUHZ-RP200YHA<sub>1</sub>**  
**PUHZ-RP250YHA<sub>1</sub>**  
**PUHZ-RP200YHA<sub>2</sub>**  
**PUHZ-RP250YHA<sub>2</sub>**





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

No.	ROHS	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
					PUHZ-RP					Unit	Amount
					200	250					
1	G	T97 415 741	COMPRESSOR	ANV47FFBMT	1	1		MC			
2	G	R01 E35 242	LINEAR EXPANSION VALVE COIL		1	1		LEV			
3	G	R01 E80 401	LINEAR EXPANSION VALVE		1	1					
4	G	R01 E25 413	CHARGE PLUG		1	1					
5	G	R01 E14 413	CHARGE PLUG		1	1					
6	G	R01 E13 410	STOP VALVE	3/8F	1						
	G	R01 E23 410	STOP VALVE	1/2F		1					
7	G	R01 E08 450	STRAINER		1						
	G	R01 31L 450	STRAINER			1					
8	G	R01 E14 410	STOP VALVE	1F	1	1					
9	G	R01 E01 570	GASKET		1	1					
10	G	R01 E01 417	FLANGE ASSY		1						
	G	T7W E02 417	FLANGE ASSY			1					
11	G	R01 E09 450	STRAINER		1	1					
12	G	R01 E07 450	STRAINER		2	2					
13	G	T7W E26 242	SOLENOID COIL (FOUR-WAY VALVE)		1	1		21S4			
14	G	R01 E12 403	SOLENOID VALVE (FOUR-WAY VALVE)		1	1					
15	G	R01 E13 490	OIL SEPARATOR		1	1					
16	G	T7W E27 242	SOLENOID COIL (BYPASS VALVE)		1	1		SV			
17	G	R01 E13 428	SOLENOID VALVE (BYPASS VALVE)		1	1					
18	G	T7W E06 208	HIGH PRESSURE SWITCH		1	1		63H			
19	G	R01 E00 209	LOW PRESSURE SWITCH		1	1		63L			
20	G	T7W E14 440	ACCUMULATOR		1	1					
⑳	G	R01 E12 201	THERMISTOR (DISCHARGE)		1	1		TH4			
㉑	G	—	SOUND INSULATION		1	1	(RG33N368G09)				
㉒	G	R01 E28 425	CAPILLARY TUBE	3.0×1.0×1000	1	1					
㉓	G	R01 E29 425	CAPILLARY TUBE	3.0×1.0×300	1	1					

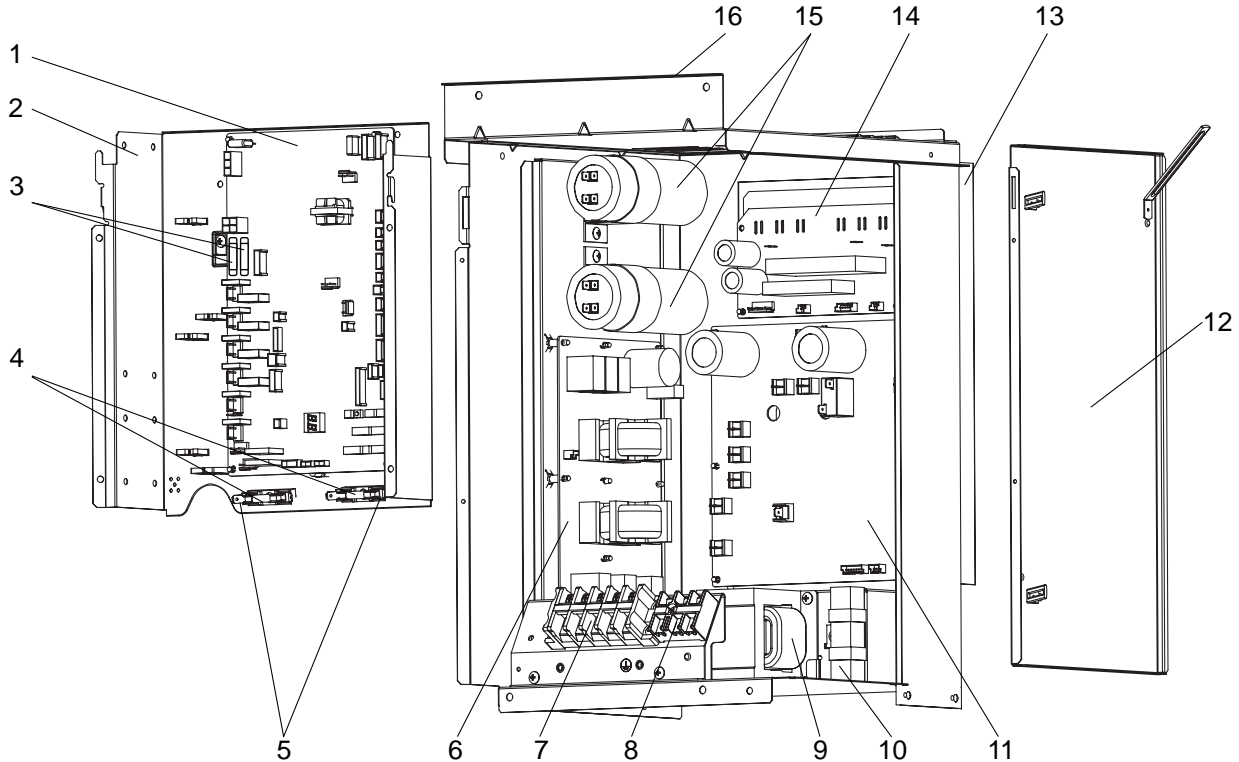
## ELECTRICAL PARTS

PUHZ-RP200YHA<sub>1</sub>

PUHZ-RP250YHA<sub>1</sub>

PUHZ-RP200YHA<sub>2</sub>

PUHZ-RP250YHA<sub>2</sub>



Part number that is circled is not shown in the figures.

No.	RoHS	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
					PUHZ-RP200, 250					Unit	Amount
					YHA <sub>1</sub>	YHA <sub>2</sub>					
1	G	T7W E45 315	CONTROLLER CIRCUIT BOARD		1			C.B.			
	G	T7W E54 315	CONTROLLER CIRCUIT BOARD			1		C.B.			
2	G	—	CIRCUIT BOARD SUPPORT PLATE		1	1	(RG02N450G10)				
3	G	R01 E06 239	FUSE	250V 6.3A	2	2		F3,4			
4	G	R01 E07 239	FUSE	250V 15A	2	2		FUSE1,2			
5	G	R01 30L 241	FUSE HOLDER		2	2					
6	G	T7W E15 346	NOISE FILTER CIRCUIT BOARD		1	1		N.F.			
7	G	T7W E30 716	TERMINAL BLOCK (POWER SUPPLY)	5P(L1,L2,L3,N,⊕)	1	1		TB1			
8	G	R01 E19 246	TERMINAL BLOCK (INDOOR / OUTDOOR)	3P(S1,S2,S3)	1	1		TB2			
9	G	T7W E13 259	REACTOR	2.7mH 25A	1	1		DCL			
10	G	R01 E10 233	RUSH CURRENT PROTECT RESISTOR	16Ω	1	1		RS			
11	G	T7W E33 313	POWER CIRCUIT BOARD		1	1		P.B.			
12	G	—	ELECTRICAL PARTS BOX RIGHT SIDE PLATE		1	1	(RG02N349G06)				
13	G	—	HEAT SINK		1	1	(RG11N336G05)				
14	G	T7W E49 310	FAN CONTROLLER CIRCUIT BOARD		1	1		F.C.			
15	G	T7W E07 254	MAIN SMOOTHING CAPACITOR		2	2		CB1,2			
16	G	—	ELECTRICAL PARTS BOX		1	1	(RG00N768G02)				
⑰	G	—	WATERPROOF SHEET FOR THE ELECTRICAL PARTS		1	1	(BH00C028G10)				

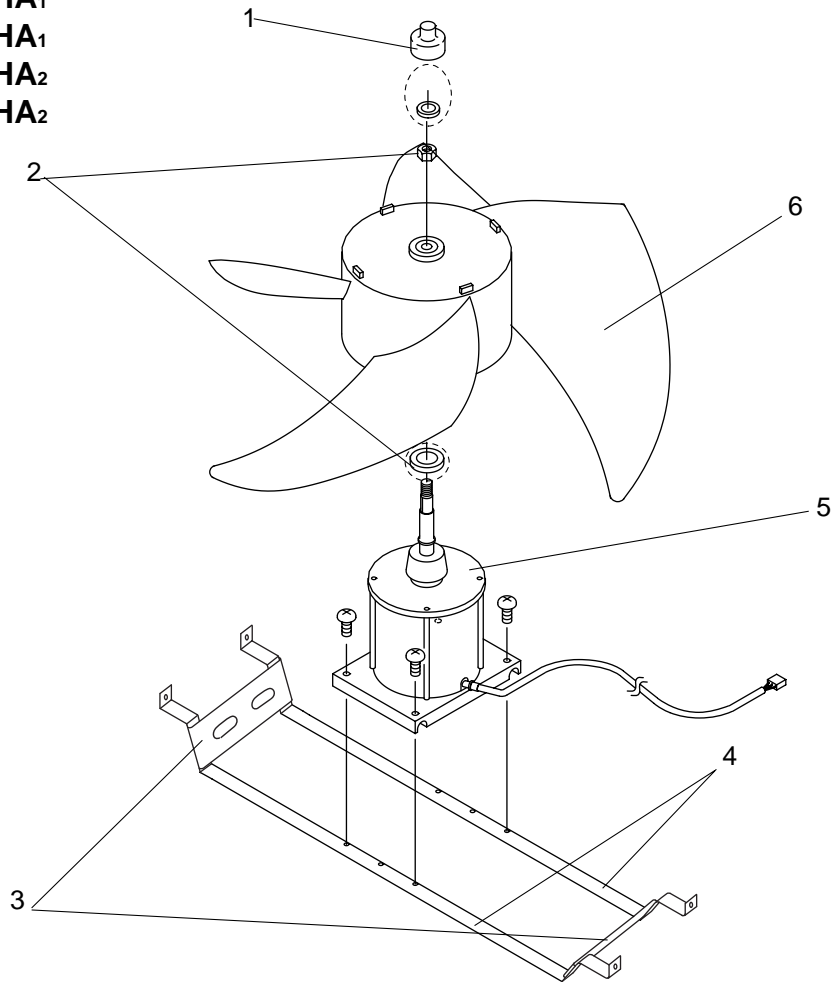
**FAN PARTS**

PUHZ-RP200YHA<sub>1</sub>

PUHZ-RP250YHA<sub>1</sub>

PUHZ-RP200YHA<sub>2</sub>

PUHZ-RP250YHA<sub>2</sub>



No.	RoHS	Part No.	Part Name	Specification	Q'ty/set	Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty	Price	
					PUHZ-RP200, 250YHA <sub>1</sub> ,YHA <sub>2</sub>				Unit	Amount
1	G	R01 E02 122	MOTOR CAP		1					
2	G	R01 E10 097	NUT M16		1	Nut×1,washer×2 in a set				
3	G	—	SUPPORT		2	(BG02U187H03)				
4	G	R01 E31 130	MOTOR SUPPORT		2					
5	G	T7W E29 763	FAN MOTOR		1		MF			
6	G	R01 E09 115	PROPELLER FAN		1					

Mr. SLIM™

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Distributed in May 2007 No.OC338 REVISED EDITION-C PDF 8  
Distributed in Jul. 2006 No.OC338 REVISED EDITION-B PDF 8  
Distributed in Feb. 2006 No.OC338 REVISED EDITION-A PDF 9  
Distributed in Jun. 2005 No.OC338 PDF 9  
Made in Japan.

New publication, effective May 2007  
Specifications subject to change without notice.