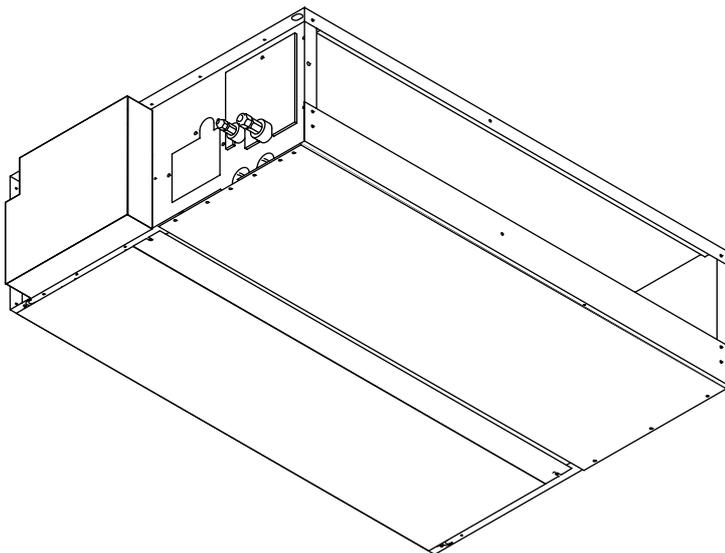


TECHNICAL & SERVICE MANUAL

Series PDFY Ceiling Concealed Built-in

<Indoor unit>

Models **PDFY-P06NMU-E, PDFY-P08NMU-E**
PDFY-P12NMU-E, PDFY-P15NMU-E
PDFY-P18NMU-E, PDFY-P24NMU-E
PDFY-P27NMU-E, PDFY-P30NMU-E
PDFY-P36NMU-E, PDFY-P48NMU-E



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CITY MULTI

For use with the R410A & R22

SAFETY PRECAUTIONS

1. Before installation and electric work

- ▶ **Before installing the unit, make sure you read all the “Safety precautions”.**
- ▶ **The “Safety precautions” provide very important points regarding safety. Make sure you follow them.**
- ▶ **This equipment may not be applicable to EN61000-3-2: 1995 and EN61000-3-3: 1995.**
- ▶ **This equipment may have an adverse effect equipment on the same electrical supply system.**
- ▶ **Please report to or take consent by the supply authority before connection to the system.**

Symbols used in the text

Warning:

Describes precautions that should be observed to prevent danger of injury or death to the user.

Caution:

Describes precautions that should be observed to prevent damage to the unit.

Symbols used in the illustrations



: Indicates an action that must be avoided.



: Indicates that important instructions must be followed.



: Indicates a part which must be grounded.



: Indicates that caution should be taken with rotating parts. (This symbol is displayed on the main unit label.) <Color: Yellow>



: Beware of electric shock (This symbol is displayed on the main unit label.) <Color: Yellow>

Warning:

Carefully read the labels affixed to the main unit.

Warning:

- **Ask the dealer or an authorized technician to install the air conditioner.**
 - Improper installation by the user may result in water leakage, electric shock, or fire.
- **Install the air unit at a place that can withstand its weight.**
 - Inadequate strength may cause the unit to fall down, resulting in injuries.
- **Use the specified cables for wiring. Make the connections securely so that the outside force of the cable is not applied to the terminals.**
 - Inadequate connection and fastening may generate heat and cause a fire.
- **Prepare for typhoons and other strong winds and earthquakes and install the unit at the specified place.**
 - Improper installation may cause the unit to topple and result in injury.
- **Always use an air cleaner, humidifier, electric heater, and other accessories specified by Mitsubishi Electric.**
 - Ask an authorized technician to install the accessories. Improper installation by the user may result in water leakage, electric shock, or fire.

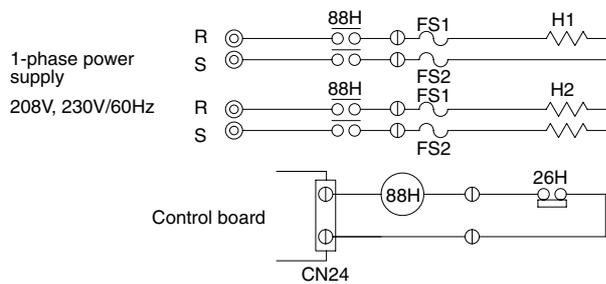
- **Never repair the unit. If the air conditioner must be repaired, consult the dealer.**
 - If the unit is repaired improperly, water leakage, electric shock, or fire may result.
- **Do not touch the heat exchanger fins.**
 - Improper handling may result in injury.
- **When handling this product, always wear protective equipment.**
EG : Gloves, full arm protection namely boiler suit, and safety glasses.
 - Improper handling may result in injury.
- **If refrigerant gas leaks during installation work, ventilate the room.**
 - If the refrigerant gas comes into contact with a flame, poisonous gases will be released.
- **Install the air conditioner according to this Installation Manual.**
 - If the unit is installed improperly, water leakage, electric shock, or fire may result.
- **Have all electric work done by a licensed electrician according to “Electric Facility Engineering Standard” and “Interior Wire Regulations” and the instructions given in this manual and always use a special circuit.**
 - If the power source capacity is inadequate or electric work is performed improperly, electric shock and fire may result.
- **Securely install the cover of control box and the panel.**
 - If the cover and panel are not installed properly, dust or water may enter the outdoor unit and fire or electric shock may result.
- **When installing and moving the air conditioner to another site, do not charge the it with a refrigerant different from the refrigerant (R22) specified on the unit.**
 - If a different refrigerant or air is mixed with the original refrigerant, the refrigerant cycle may malfunction and the unit may be damaged.
- **If the air conditioner is installed in a small room, measures must be taken to prevent the refrigerant concentration from exceeding the safety limit even if the refrigerant should leak.**
 - Consult the dealer regarding the appropriate measures to prevent the safety limit from being exceeded. Should the refrigerant leak and cause the safety limit to be exceeded, hazards due to lack of oxygen in the room could result.
- **When moving and reinstalling the air conditioner, consult the dealer or an authorized technician.**
 - If the air conditioner is installed improperly, water leakage, electric shock, or fire may result.
- **After completing installation work, make sure that refrigerant gas is not leaking.**
 - If the refrigerant gas leaks and is exposed to a fan heater, stove, oven, or other heat source, it may generate noxious gases.
- **Do not reconstruct or change the settings of the protection devices.**
 - If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Mitsubishi Electric are used, fire or explosion may result.

⚠ Warning:

- **Note the following when building a heater in the air conditioning system.**
 - Leave enough space between units for proper ventilation so that the indoor unit temperature does not exceed 40°C when windless.
 - Keep the heater clean, and take appropriate measures so that the indoor unit does not suck in the dust particles that accumulate on the heater.
 - Use the optional heater cable (PAC-YU24HT) to perform an interlocked operation with indoor units.
 - Do not build a heater inside the indoor unit.

Recommended circuit

Wiring diagram

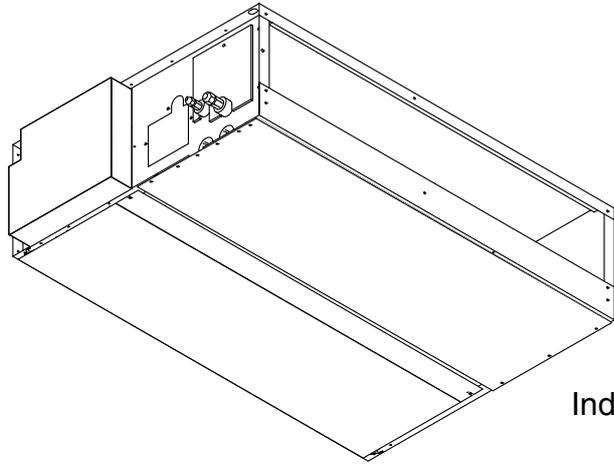


- FS1, 2 ----- Thermal fuse
- H1, H2 ----- Heater
- 26H ----- Overheat protection thermostat
- 88H ----- Electromagnetic contactor

2. Precautions for devices that use R410A refrigerant

⚠ Caution:

- **Do not use the existing refrigerant piping.**
 - The old refrigerant and refrigerator oil in the existing piping contains a large amount of chlorine which may cause the refrigerator oil of the new unit to deteriorate.
 - **Use refrigerant piping made of C1220 (Cu-DHP) phosphorus deoxidized copper as specified in the *JIS H3300 "Copper and copper alloy seamless pipes and tubes". In addition, be sure that the inner and outer surfaces of the pipes are clean and free of hazardous sulphur, oxides, dust/dirt, shaving particles, oils, moisture, or any other contaminant.**
 - Contaminants on the inside of the refrigerant piping may cause the refrigerant residual oil to deteriorate.
- *JIS: Japanese Industrial Standard
- **Store the piping to be used during installation indoors and keep both ends of the piping sealed until just before brazing. (Store elbows and other joints in a plastic bag.)**
 - If dust, dirt, or water enters the refrigerant cycle, deterioration of the oil and compressor trouble may result.
 - **Use ester oil, ether oil or alkylbenzene (small amount) as the refrigerator oil to coat flares and flange connections.**
 - The refrigerator oil will degrade if it is mixed with a large amount of mineral oil.
 - **Use liquid refrigerant to fill the system.**
 - If gas refrigerant is used to seal the system, the composition of the refrigerant in the cylinder will change and performance may drop.
 - **Do not use a refrigerant other than R410A.**
 - If another refrigerant (R22, etc.) is used, the chlorine in the refrigerant may cause the refrigerator oil to deteriorate.
 - **Use a vacuum pump with a reverse flow check valve.**
 - The vacuum pump oil may flow back into the refrigerant cycle and cause the refrigerator oil to deteriorate.
 - **Do not use the following tools that are used with conventional refrigerants. (Gauge manifold, charge hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, refrigerant recovery equipment)**
 - If the conventional refrigerant and refrigerator oil are mixed in the R410A, the refrigerant may deteriorate.
 - If water is mixed in the R410A, the refrigerator oil may deteriorate.
 - Since R410A does not contain any chlorine, gas leak detectors for conventional refrigerants will not react to it.
 - **Do not use a charging cylinder.**
 - Using a charging cylinder may cause the refrigerant to deteriorate.
 - **Be especially careful when managing the tools.**
 - If dust, dirt, or water gets in the refrigerant cycle, the refrigerant may deteriorate.

1**FEATURES****Series PDFY Ceiling Concealed Built-in**

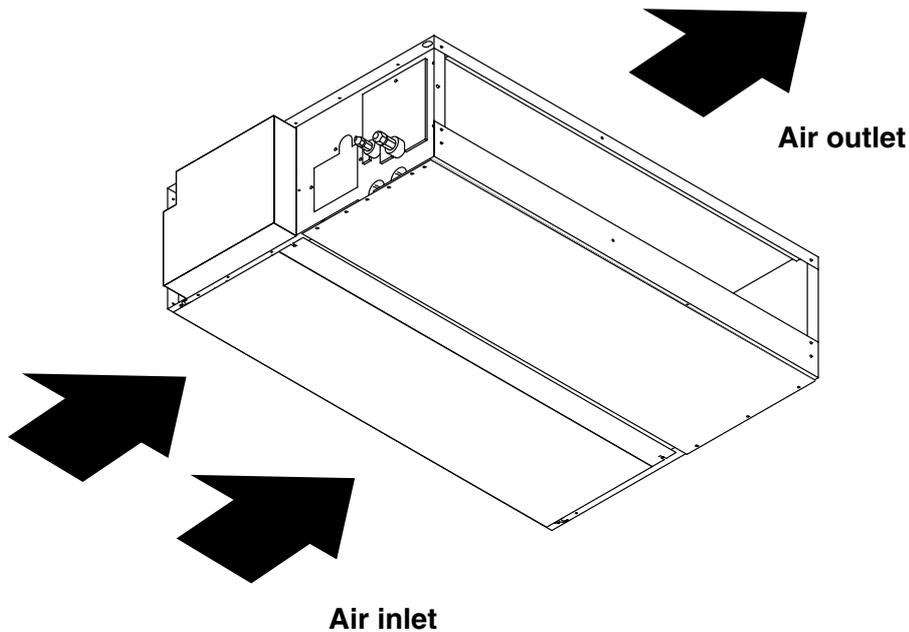
Indoor unit

Models	Cooling capacity/Heating capacity	
	kW	Btu / h
PDFY-P06NMU-E	1.8 / 2.0	6000 / 6700
PDFY-P08NMU-E	2.3 / 2.6	8000 / 9000
PDFY-P12NMU-E	3.5 / 4.0	12000 / 13500
PDFY-P15NMU-E	4.4 / 5.0	15000 / 17000
PDFY-P18NMU-E	5.3 / 5.9	18000 / 20000
PDFY-P24NMU-E	7.0 / 7.9	24000 / 27000
PDFY-P27NMU-E	7.9 / 8.8	27000 / 30000
PDFY-P30NMU-E	8.8 / 10.0	30000 / 34000
PDFY-P36NMU-E	10.6 / 11.7	36000 / 40000
PDFY-P48NMU-E	14.1 / 15.8	48000 / 54000

2

PART NAMES AND FUNCTIONS

● Indoor (Main) Unit

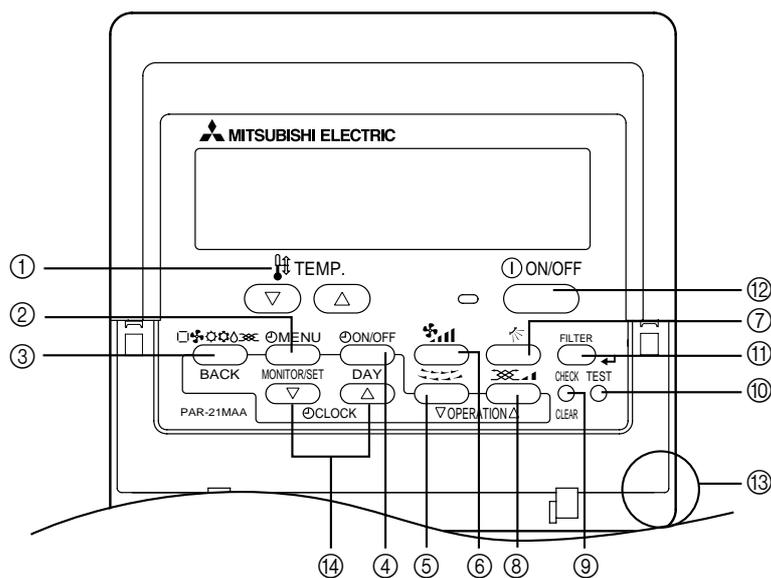


● Remote controller

[PAR-21MAA]

- Once the controls are set, the same operation mode can be repeated by simply pressing the ON/OFF button.

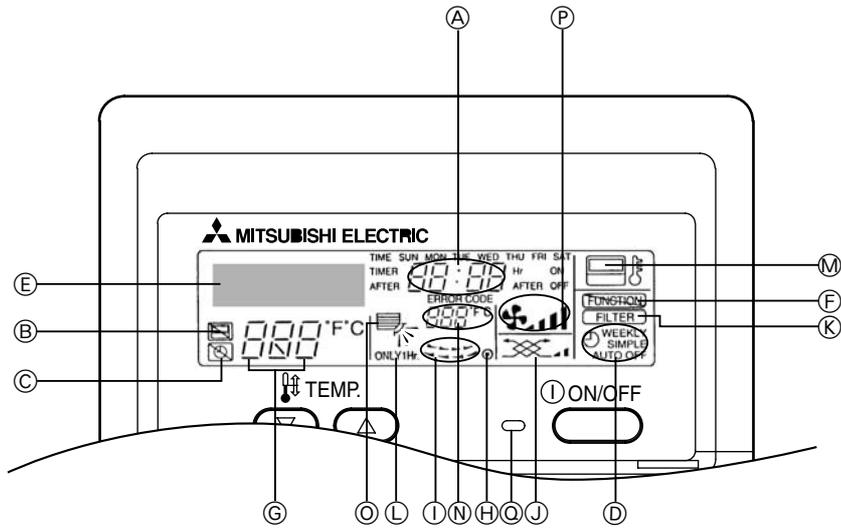
● Operation buttons



- | | | |
|----------------------------|----------------------------|---|
| ① [Set Temperature] Button | ⑤ [Louver] Button | ⑩ [Test run] Button |
| ② [Timer Menu] Button | [Operation] Button | ⑪ [Filter] Button |
| [Monitor/Set] Button | ⑥ [Fan Speed] Button | [↵] Button |
| ③ [Mode] Button | ⑦ [Airflow Up/Down] Button | ⑫ [ON/OFF] Button |
| [Return] Button | ⑧ [Ventilation] Button | ⑬ Position of built-in room temperature |
| ④ [Timer On/Off] Button | [Operation] Button | ⑭ [Set Time] Button |
| [Set Day] Button | ⑨ [Check/Clear] Button | |

- Never expose the remote controller to direct sunlight. Doing so can result in the erroneous measurement of room temperature.
- Never place any obstacle around the lower right-hand section of the remote controller. Doing so can result in the erroneous measurement of room temperature.

[Display]



- Ⓐ Current time/Timer
- Ⓑ Centralized control
- Ⓒ Timer OFF
- Ⓓ Timer indicator
- Ⓔ Operation mode: ❄️COOL, 💧DRY, 📺AUTO, 🌀FAN, 🔥HEAT
- Ⓕ "Locked" indicator
- Ⓖ Set temperature
- Ⓗ Power ON
- Ⓘ Louver
- Ⓝ Ventilation
- Ⓚ Filter sign
- Ⓛ Set effective for 1 hr.
- Ⓜ Sensor position
- Ⓝ Room temperature
- Ⓞ Airflow
- Ⓟ Fan speed

3

SPECIFICATION

3-1. Specification

PDFY-P-NMU-E

Item		Model	PDFY-P06NMU-E	PDFY-P08NMU-E	PDFY-P12NMU-E	PDFY-P15NMU-E	PDFY-P18NMU-E
Power source			208/230V, 60Hz				
Capacity *1	Cooling	kW	1.8	2.3	3.5	4.4	5.3
		BTU/h	6000	8000	12000	15000	18000
	Heating	kW	2.0	2.6	4.0	5.0	5.9
		BTU/h	6700	9000	13500	17000	20000
Dimension	Height	mm	295				
		in	11-5/8				
	Width	mm	710			960	
		in	27-31/32			37-13/16	
	Depth	mm	735				
		in	28-15/16				
Net weight	kg	26	26	27	32	34	
	lb	57	57	60	71	75	
FAN	Airflow rate (Low-(Middle2-Middle1-) High)	m ³ /min	6.0-6.5-7.5-8.5	6.0-6.5-7.5-8.5	6.0-6.5-7.5-8.5	10.0-11.0-12.5-14.0	10.0-11.0-12.5-14.0
		cfm	211-229-264-300	211-229-264-300	211-229-264-300	353-388-441-494	353-388-441-494
	External static pressure *3	Pa	30-50-80	30-50-80	30-50-80	30-50-80	30-50-80
		208V	40-60-100	40-60-100	40-60-100	40-60-100	40-60-100
Noise level (Low-(Middle2-Middle1-) High) *2	dB(A)	208V	26-28-31-34	26-28-31-34	26-28-31-34	32-34-35-37	32-34-35-37
		230V	28-30-33-36	28-30-33-36	28-30-33-36	34-36-37-39	34-36-37-39
Filter			Standard filter				

PDFY-P-NMU-E

Item		Model	PDFY-P24NMU-E	PDFY-P27NMU-E	PDFY-P30NMU-E	PDFY-P36NMU-E	PDFY-P48NMU-E
Power source			208/230V, 60Hz				
Capacity *1	Cooling	kW	7.0	7.9	8.8	10.6	14.1
		BTU/h	24000	27000	30000	36000	48000
	Heating	kW	7.9	8.8	10.0	11.7	15.8
		BTU/h	27000	30000	34000	40000	54000
Dimension	Height	mm	295				
		in	11-5/8				
	Width	mm	1160			1510	
		in	45-11/16			59-15/32	
	Depth	mm	735				
		in	28-15/16				
Net weight	kg	39	39	39	52	52	
	lb	86	86	86	115	115	
FAN	Airflow rate (Low-(Middle2-Middle1-) High)	m ³ /min	12.5-14.0-16.0-18.0	13.5-15.5-17.5-19.5	14.0-16.5-18.5-21.0	19.5-28.0	24-34
		cfm	441-494-565-635	477-547-618-689	494-582-653-741	688-988	847-1200
	External static pressure *3	Pa	30-50-80	30-50-80	30-50-100	50-100-130	50-100-130
		208V	40-60-100	40-60-100	40-60-115	60-115-150	60-115-150
Noise level (Low-(Middle2-Middle1-) High) *2	dB(A)	208V	28-32-34-37	31-35-37-40	32-35-38-40	36-44	42-46
		230V	30-34-36-39	32-36-38-40	34-37-40-42	38-45	43-47
Filter			Standard filter				

Notes: *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.

Cooling: Indoor: 26.7 °C [80 °F] DB/19.4 °C [67 °F] WB Outdoor: 35 °C [95 °F] DB

Heating: Indoor: 21.1 °C [70 °F] DB Outdoor: 8.3 °C [47 °F] DB/6.1 °C [43 °F] WB

*2 The operating noise is the data that was obtained in an anechoic room.

*3 As for the factory setting is below.

PDFY-P-NMU-E series

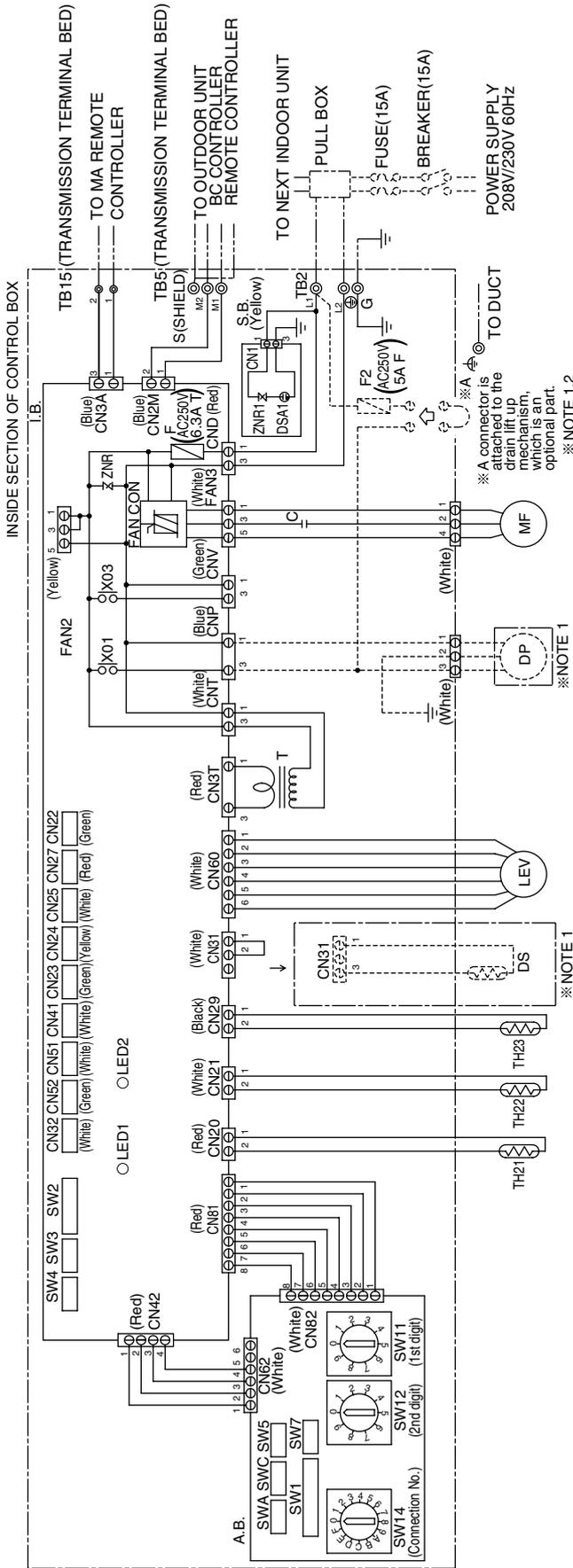
PDFY-P06NMU-E		PDFY-P08NMU-E		PDFY-P12NMU-E		PDFY-P15NMU-E		PDFY-P18NMU-E	
208V	230V								
50	60	50	60	50	60	50	60	50	60

PDFY-P24NMU-E		PDFY-P27NMU-E		PDFY-P30NMU-E		PDFY-P36NMU-E		PDFY-P48NMU-E	
208V	230V								
50	60	50	60	50	60	50	60	50	60

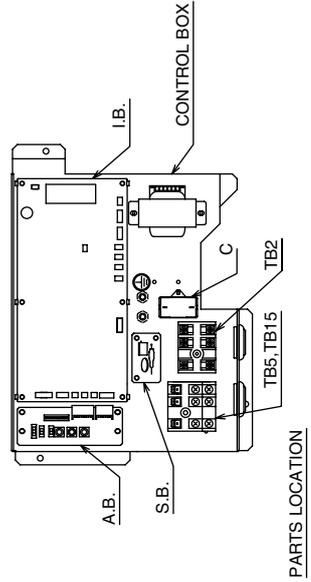


3-2. Electrical parts specifications

Parts name \ Model	Symbol	PDFY-P06,08,12 NMU-E	PDFY-P15,18 NMU-E	PDFY-P24,27 NMU-E	PDFY-P30 NMU-E	PDFY-P36 NMU-E	PDFY-P48 NMU-E
Transformer	T	(Primary) 240V 60Hz (Secondary) (23.5V 0.9A)					
Room temperature thermistor	TH21	Resistance 0°C[32°F]/15kΩ,10°C[50°F]/9.6kΩ,20°C[68°F]/6.3kΩ,25°C[77°F]/5.4kΩ,30°C[86°F]/4.3kΩ,40°C[104°F]/3.0kΩ					
Liquid pipe thermistor	TH22	Resistance 0°C[32°F]/15kΩ,10°C[50°F]/9.6kΩ,20°C[68°F]/6.3kΩ,25°C[77°F]/5.4kΩ,30°C[86°F]/4.3kΩ,40°C[104°F]/3.0kΩ					
Gas pipe thermistor	TH23	Resistance 0°C[32°F]/15kΩ,10°C[50°F]/9.6kΩ,20°C[68°F]/6.3kΩ,25°C[77°F]/5.4kΩ,30°C[86°F]/4.3kΩ,40°C[104°F]/3.0kΩ					
Fuse (Indoor controller board)	FUSE	250V 6.3A					
Fan motor (with Inner-thermostat)	MF1	4-pole Output 75W D104P75MW	4-pole Output 85W D104P85MW	4-pole Output 95W D104P95MW		4-pole Output 140W NC-100VM1	4-pole Output 190W NC-125VM1
Inner-thermostat (Fan motor)		OFF 130°C±5°C[266°F±41°F] ON 90°C±20°C[194°F±68°F]				OFF 150°C±5°C[302°F±41°F] ON 96°C±15°C[205°F±59°F]	
Fan motor capacitor	C1	3.0μF X 440V	5.0μF X 440V	6.0μF X 440V		5.0μF X 440V	8.0μF X 440V
Linear expansion valve	LEV	DC12V Stepping motor drive port dimension 3.2Ω (0~2000pulse) EDM-402MD			DC12V Stepping motor drive port dimension 5.2Ω (0~2000pulse) EDM-804MD		
Power supply terminal bed	TB2	(L1,L2,G) 330V 30A					
Transmission terminal bed	TB5 TB15	(1,2),(M1,M2,S) 330V 30A					



NOTE:1: The part of the broken line indicates the circuit for optional parts.
 2.※ A in the chart is the connector for a drain pump test run operation.
 (The Drain Pump operates continuously if the connector is inserted and the power is supplied.)
 After the test run, make sure to remove the ※ A connector.
 3. The wirings to TB2, TB5, TB15 shown in chained line are field work.
 4. Mark ⊕ indicates terminal bed ⊕ connector, ⊕ board insertion connector or fastening connector of control board.



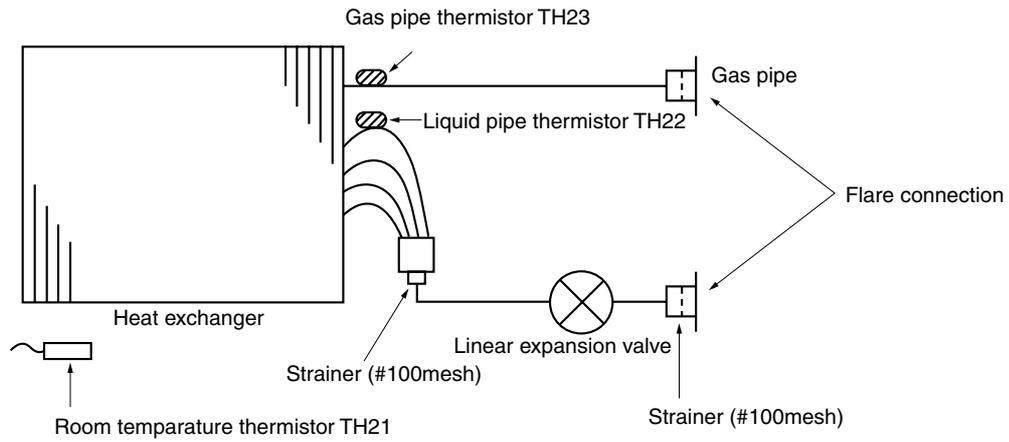
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH21	Thermistor (inlet temp. detection)	X01, X03	Aux. relay
C	Capacitor (for MF)	TH22	Thermistor (piping temp. detection/liquid)	S.B.	Surge absorber board
I.B.	Indoor controller board	TH23	Thermistor (piping temp. detection/gas)	SWA(A.B.)	Switch (optional parts)
A.B.	Address board	LED1	LED	SWC(A.B.)	Switch (optional parts)
TB2	Power source terminal bed	LED2	LED	SW11(A.B.)	Switch (1st digit address set)
TB5	Transmission terminal bed	CNV	Connector	SW12(A.B.)	Switch (2nd digit address set)
TB15	Transmission terminal bed	CN22	Connector	SW14(A.B.)	Switch (connection No. set)
F	Fuse AC250V 6.3A T	CN23	Connector	SW1(A.B.)	Switch(for mode selection)
<F2>	Fuse AC250V 5A F	CN24	Connector	SW5(A.B.)	Switch(for voltage selection)
T	Transformer	CN25	Connector	SW7(A.B.)	Switch(for model selection)
<DP>	Drain pump	CN27	Connector	SW2(I.B.)	Switch(for capacity code)
<DS>	Drain sensor	CN32	Connector (Centrally control)	SW3(I.B.)	Switch(for mode selection)
LEV	Electronic linear expan. valve	CN41	Connector (HA terminal-A)	SW4(I.B.)	Switch(for model selection)
ZNR,ZNR1	Varistor	CN52	Connector (Remote indication)		

Inside < > is the optional parts.

6

REFRIGERANT SYSTEM DIAGRAM



mm <in.>

Item \ Capacity		PDFY-P06,08,12,15NMU-E	PDFY-P18NMU-E
Gas pipe	R410A	ø 12.7(1/2)	
	R22	ø 12.7(1/2)	ø 15.88(5/8)
Liquid pipe	R410A	ø 6.35(1/4)	
	R22	ø 6.35(1/4)	ø 9.52(3/8)

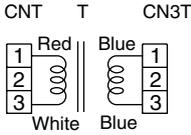
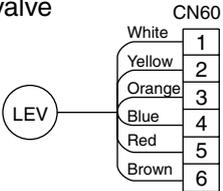
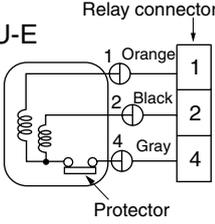
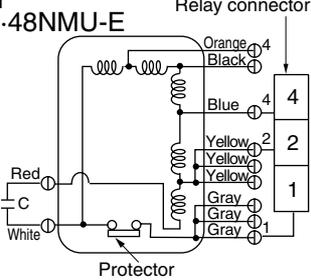
mm <in.>

Item \ Capacity		PDFY-P24,27,30NMU-E	PDFY-P36,48NMU-E
Gas pipe	R410A	ø 15.88(5/8)	
	R22	ø 15.88(5/8)	ø 19.05(3/4)
Liquid pipe	R410A	ø 9.52(3/8)	
	R22	ø 9.52(3/8)	

7

TROUBLE SHOOTING

7-1. How to check the parts

Parts name	Check points																									
Room temperature thermistor (TH21) Liquid pipe thermistor (TH22) Gas pipe thermistor (TH23)	Disconnect the connector, then measure the resistance using a tester. (Surrounding temperature 10°C~30°C[50°F~86°F]) <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Normal</th> <th>Abnormal</th> </tr> </thead> <tbody> <tr> <td>4.3kΩ ~9.6kΩ</td> <td>Open or short</td> </tr> </tbody> </table> (Refer to the thermistor)	Normal	Abnormal	4.3kΩ ~9.6kΩ	Open or short																					
Normal	Abnormal																									
4.3kΩ ~9.6kΩ	Open or short																									
Transformer 	Disconnect the connector and measure the resistance using a tester. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>Normal</th> <th>Abnormal</th> </tr> </thead> <tbody> <tr> <td>CNT(1)-(3)</td> <td>App.45Ω</td> <td rowspan="2">Open or short</td> </tr> <tr> <td>CN3T(1)-(3)</td> <td>App.1Ω</td> </tr> </tbody> </table>		Normal	Abnormal	CNT(1)-(3)	App.45Ω	Open or short	CN3T(1)-(3)	App.1Ω																	
	Normal	Abnormal																								
CNT(1)-(3)	App.45Ω	Open or short																								
CN3T(1)-(3)	App.1Ω																									
Linear expansion valve 	Disconnect the connector then measure the resistance valve using a tester. Refer to the next page for a detail. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="4">Normal</th> <th>Abnormal</th> </tr> </thead> <tbody> <tr> <td>(1)-(5) White-Red</td> <td>(2)-(6) Yellow-Blown</td> <td>(3)-(5) Orange-Red</td> <td>(4)-(6) Blue-Brown</td> <td rowspan="2">Open or short</td> </tr> <tr> <td colspan="4" style="text-align: center;">150Ω ±10%</td> </tr> </tbody> </table>	Normal				Abnormal	(1)-(5) White-Red	(2)-(6) Yellow-Blown	(3)-(5) Orange-Red	(4)-(6) Blue-Brown	Open or short	150Ω ±10%														
Normal				Abnormal																						
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<Thermistor Characteristic graph>

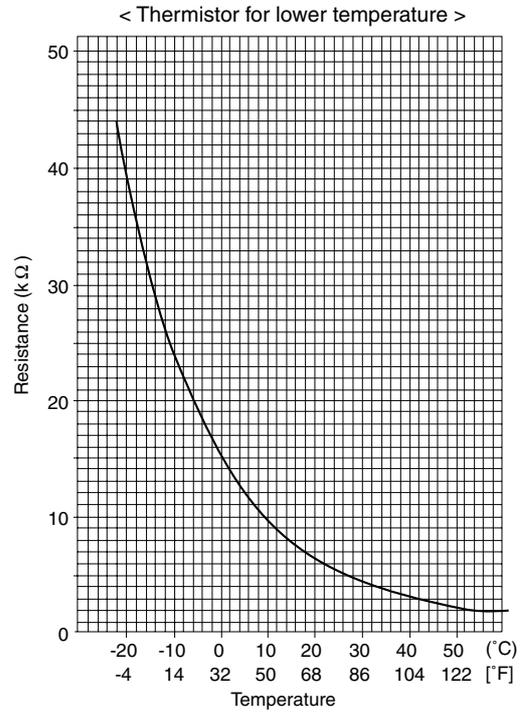
Thermistor for lower temperature

- Room temperature thermistor(TH21)
- Liquid pipe thermistor(TH22)
- Gas pipe temperature thermistor(TH23)
- Drain sensor(DS)

Thermistor $R_0=15k\Omega \pm 3\%$
 Fixed number of $B=3480k\Omega \pm 2\%$

$$R_t=15 \exp \left\{ 3480 \left(\frac{1}{273+t} - \frac{1}{273} \right) \right\}$$

0°C	32°F	15kΩ
10°C	50°F	9.6kΩ
20°C	68°F	6.3kΩ
25°C	77°F	5.2kΩ
30°C	86°F	4.3kΩ
40°C	104°F	3.0kΩ

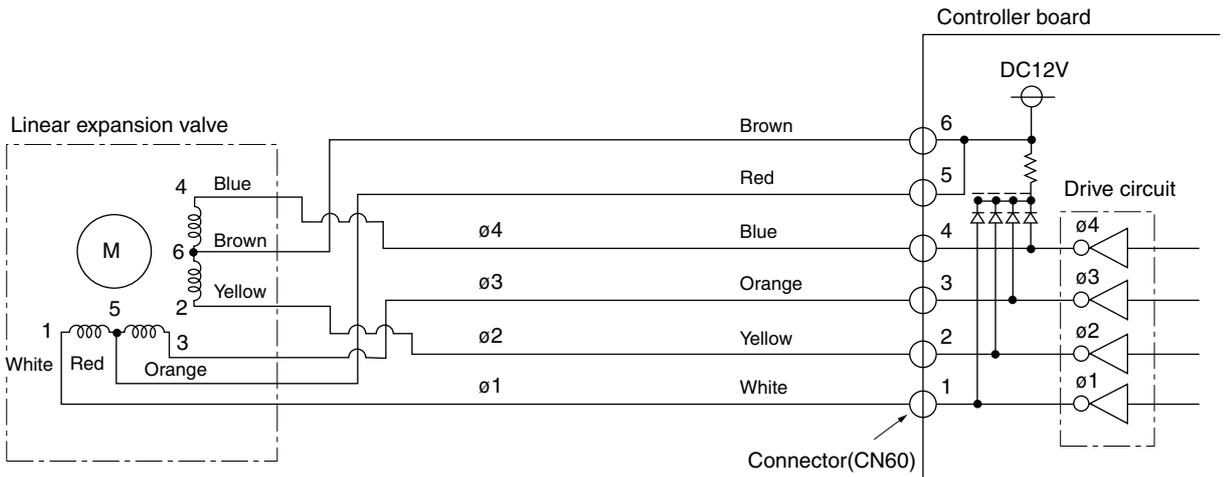


Linear expansion valve

① Operation summary of the linear expansion valve.

- Linear expansion valve open/close through stepping motor after receiving the pulse signal from the indoor controller board.
- Valve position can be changed in proportion to the number of pulse signal.

<Connection between the indoor controller board and the linear expansion valve>



<Output pulse signal and the valve operation>

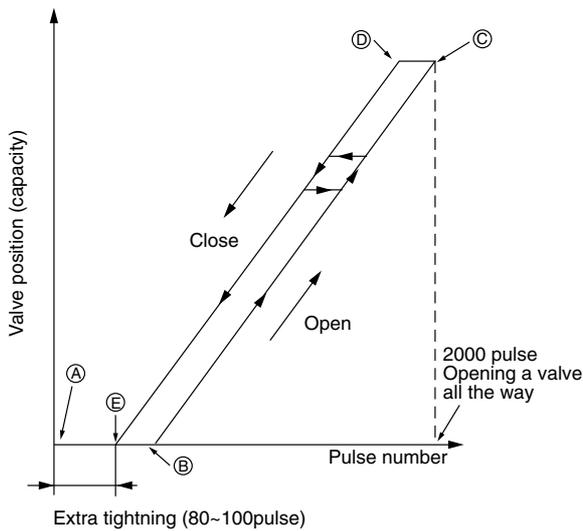
Output (Phase)	Output			
	1	2	3	4
φ1	ON	OFF	OFF	ON
φ2	ON	ON	OFF	OFF
φ3	OFF	ON	ON	OFF
φ4	OFF	OFF	ON	ON

Closing a valve : 1 → 2 → 3 → 4 → 1
 Opening a valve : 4 → 3 → 2 → 1 → 4

The output pulse shifts in above order.

- * 1. When linear expansion valve operation stops, all output phase become OFF.
- 2. At phase interruption or when phase does not shift in order, motor does not rotate smoothly and motor will locks and vibrates.

② Linear expansion valve operation



- * When the switch is turned on, 2200 pulse closing valve signal will be send till it goes to A point in order to define the valve position.

When the valve move smoothly, there is no noise or vibration occurring from the linear expansion valve : however, when the pulse number moves from E to A or when the valve is locked, more noise can be heard than normal situation.

- * Noise can be detected by placing the ear against the screw driver handle while putting the screw driver to the linear expansion valve.

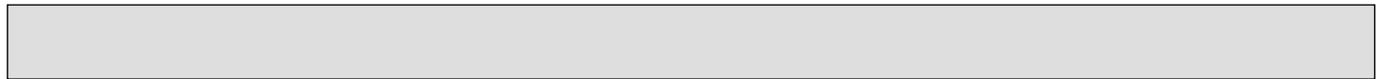
③ Trouble shooting

Symptom	Check points	Countermeasures
Operation circuit failure of the micro processor.	Disconnect the connector on the controller board, then connect LED for checking. Pulse signal will be sent out for 10 seconds as soon as the main switch is turn on. If there is LED with lights on or lights off, it means the operation circuit is abnormal.	Exchange the indoor controller board at drive circuit failure.
Linear expansion valve mechanism is locked.	Motor will idle and make ticking noise when motor is operated while the linear expansion valve is locked. This ticking sound is the sign of the abnormality.	Exchange the linear expansion vale.
Short or breakage of the motor coil of the linear expansion valve.	Measure the resistance between the each coil (red-white, red-orange, brown-yellow, brown-blue) using a tester. It is normal if the resistance is in the range of $150\Omega \pm 10\%$.	Exchange the linear expansion valve.
Valve doesn't close completely (thermistor leaking).	To check the linear expansion valve, operate the indoor unit in fan mode and at the same time operate other indoor units in cooling mode, then check the pipe temperature <liquid pipe temperature> of the indoor unit by the outdoor multi controller board operation monitor. During fan operation, linear expansion valve is closed completely and if there are some leaking, detecting temperature of the thermistor will go lower. If the detected temperature is much lower than the temperature indicated in the remote controller, it means the valve is not closed all the way. It is not necessary to exchange the linear expansion valve, if the leakage is small and not making any trouble. 	If large amount of refrigeration is leaked, exchange the linear expansion valve.
Wrong connection of the connector or contact failure.	Check the color of lead wire and missing terminal of the connector.	Disconnect the connector at the controller board, then check the continuity.



Switch	Pole	Function	Operation by switch		Remarks																													
			ON	OFF																														
SW1 Mode Selection	1	Thermistor<Intake temperature detection>position	Built-in remote controller	Indoor unit	<div style="border: 1px solid black; padding: 5px; text-align: center;">Address board</div> <p><At delivery></p>																													
	2	Filter crogging detection	Provided	Not provided																														
	3	Filter life	2,500hr	100hr																														
	4	Air intake	Effective	Not effective																														
	5	Remote indication switching	Thermostat ON signal indication	Fan output indication																														
	6	Humidifier control	Always operated while the heat is ON	Operated depends on the condition																														
	7	Air flow st	Low	Extra low																														
	8	Heat thermostat OFF	Setting air flow	Reset to SW1-7																														
	9	Auto reset function	Effective	Not effective																														
	10	Power ON/OFF	Effective	Not effective																														
SW2 Capacity code setting	1~6	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>MODELS</th> <th>SW2</th> <th>MODELS</th> <th>SW2</th> <th>MODELS</th> <th>SW2</th> </tr> </thead> <tbody> <tr> <td>PDFY-P06NMU-E</td> <td></td> <td>PDFY-P18NMU-E</td> <td></td> <td>PDFY-P36NMU-E</td> <td></td> </tr> <tr> <td>PDFY-P08NMU-E</td> <td></td> <td>PDFY-P24NMU-E</td> <td></td> <td>PDFY-P48NMU-E</td> <td></td> </tr> <tr> <td>PDFY-P12NMU-E</td> <td></td> <td>PDFY-P27NMU-E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PDFY-P15NMU-E</td> <td></td> <td>PDFY-P30NMU-E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MODELS	SW2	MODELS	SW2	MODELS	SW2	PDFY-P06NMU-E		PDFY-P18NMU-E		PDFY-P36NMU-E		PDFY-P08NMU-E		PDFY-P24NMU-E		PDFY-P48NMU-E		PDFY-P12NMU-E		PDFY-P27NMU-E				PDFY-P15NMU-E		PDFY-P30NMU-E				<div style="border: 1px solid black; padding: 5px; text-align: center;">Indoor controller board</div> <p>Set while the unit is off.</p> <p><At delivery></p> <p>Set for each capacity.</p>	
		MODELS	SW2	MODELS	SW2	MODELS	SW2																											
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SW4 Unit Selection	1~4	<table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;"> P06~30 </td> <td style="width: 50%;"> P36,48 </td> </tr> <tr> <td colspan="2"> <At delivery> </td> </tr> </table>	P06~30 	P36,48 	<At delivery>		<div style="border: 1px solid black; padding: 5px; text-align: center;">Indoor controller board</div> <p>Set while the unit is off.</p>																											
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Note :The DipSW setting is effective during unit stopping (remote controller OFF) for SW1,2,3 and 4 commonly and the power source is not required to reset.



Switch	Pole	Operation by switch								Remarks																																																	
SWA Option	1~3	<table border="1"> <thead> <tr> <th>MODEL</th> <th colspan="2">P06~12</th> <th colspan="2">P15~24</th> <th colspan="2">P27</th> <th colspan="2">P30</th> </tr> <tr> <th>VOLT</th> <th>208</th> <th>230</th> <th>208</th> <th>230</th> <th>208</th> <th>230</th> <th>208</th> <th>230</th> </tr> </thead> <tbody> <tr> <td></td> <td>0.321 in.WG (80Pa)</td> <td>0.401 in.WG (100Pa)</td> <td>0.200 in.WG (50Pa)</td> <td>0.240 in.WG (60Pa)</td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td>0.200 in.WG (50Pa)</td> <td>0.240 in.WG (60Pa)</td> <td>0.321 in.WG (80Pa)</td> <td>0.401 in.WG (100Pa)</td> <td>0.200 in.WG (50Pa)</td> <td>0.321 in.WG (80Pa)</td> <td>0.240 in.WG (60Pa)</td> <td>0.401 in.WG (100Pa)</td> <td>0.200 in.WG (50Pa)</td> <td>0.401 in.WG (100Pa)</td> <td>0.240 in.WG (60Pa)</td> <td>0.461 in.WG (115Pa)</td> </tr> <tr> <td></td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> <td>—</td> <td>—</td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> </tr> </tbody> </table>								MODEL	P06~12		P15~24		P27		P30		VOLT	208	230	208	230	208	230	208	230		0.321 in.WG (80Pa)	0.401 in.WG (100Pa)	0.200 in.WG (50Pa)	0.240 in.WG (60Pa)	0.120 in.WG (30Pa)	0.160 in.WG (40Pa)	—	—		0.200 in.WG (50Pa)	0.240 in.WG (60Pa)	0.321 in.WG (80Pa)	0.401 in.WG (100Pa)	0.200 in.WG (50Pa)	0.321 in.WG (80Pa)	0.240 in.WG (60Pa)	0.401 in.WG (100Pa)	0.200 in.WG (50Pa)	0.401 in.WG (100Pa)	0.240 in.WG (60Pa)	0.461 in.WG (115Pa)		0.120 in.WG (30Pa)	0.160 in.WG (40Pa)	0.120 in.WG (30Pa)	0.160 in.WG (40Pa)	—	—	0.120 in.WG (30Pa)	0.160 in.WG (40Pa)	<div style="border: 1px solid black; padding: 5px; text-align: center;">Address board</div> <p><At delivery></p>
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SWC Option	2	<table border="1"> <thead> <tr> <th>MODEL</th> <th colspan="2">P06~24</th> </tr> <tr> <th>VOLT</th> <th>208</th> <th>230</th> </tr> </thead> <tbody> <tr> <td></td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> </tr> <tr> <td></td> <td>0.200 in.WG (50Pa)</td> <td>0.240 in.WG (60Pa)</td> </tr> <tr> <td></td> <td>0.321 in.WG (80Pa)</td> <td>0.461 in.WG (115Pa)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>MODEL</th> <th colspan="2">P27</th> <th colspan="2">P30</th> </tr> <tr> <th>VOLT</th> <th>208</th> <th>230</th> <th>208</th> <th>230</th> </tr> </thead> <tbody> <tr> <td></td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> <td>0.120 in.WG (30Pa)</td> <td>0.160 in.WG (40Pa)</td> </tr> <tr> <td></td> <td>0.200 in.WG (50Pa)</td> <td>0.240 in.WG (60Pa)</td> <td>0.200 in.WG (50Pa)</td> <td>0.240 in.WG (60Pa)</td> </tr> <tr> <td></td> <td>0.321 in.WG (80Pa)</td> <td>0.401 in.WG (100Pa)</td> <td>0.401 in.WG (100Pa)</td> <td>0.461 in.WG (115Pa)</td> </tr> </tbody> </table>								MODEL	P06~24		VOLT	208	230		0.120 in.WG (30Pa)	0.160 in.WG (40Pa)		0.200 in.WG (50Pa)	0.240 in.WG (60Pa)		0.321 in.WG (80Pa)	0.461 in.WG (115Pa)	MODEL	P27		P30		VOLT	208	230	208	230		0.120 in.WG (30Pa)	0.160 in.WG (40Pa)	0.120 in.WG (30Pa)	0.160 in.WG (40Pa)		0.200 in.WG (50Pa)	0.240 in.WG (60Pa)	0.200 in.WG (50Pa)	0.240 in.WG (60Pa)		0.321 in.WG (80Pa)	0.401 in.WG (100Pa)	0.401 in.WG (100Pa)	0.461 in.WG (115Pa)	<div style="border: 1px solid black; padding: 5px; text-align: center;">Address board</div> <p><At delivery></p> <p>“オプション” (Option)</p> <p>“標準” (Standard)</p>									
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SW11 1st digit address setting	Rotary switch	<p>Address setting should be done when network remote controller (PAR-F25MA) is being used.</p>								<div style="border: 1px solid black; padding: 5px; text-align: center;">Address board</div> <p>Address can be set while the unit is stopped.</p> <p><At delivery></p>																																																	
SW12 2nd digit address setting																																																											
Note:2																																																											
SW14 Connect ion No. setting	Rotary switch	<p>This is the switch to be used when the indoor unit is operated with R2 series outdoor unit as a set.</p>								<div style="border: 1px solid black; padding: 5px; text-align: center;">Address board</div> <p><At delivery></p>																																																	
Note:2																																																											

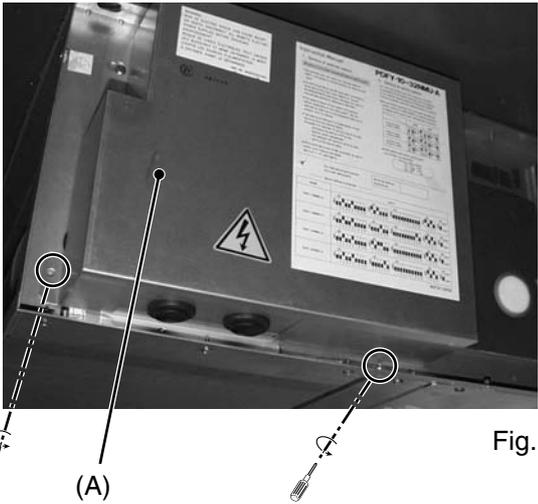
Note 1:The DipSW setting is effective always after powering (remote controller ON) for SWA and SWC.
 2:The DipSW setting is effective during unit stopping (remote controller OFF) for SW11,12,14 and 5

8

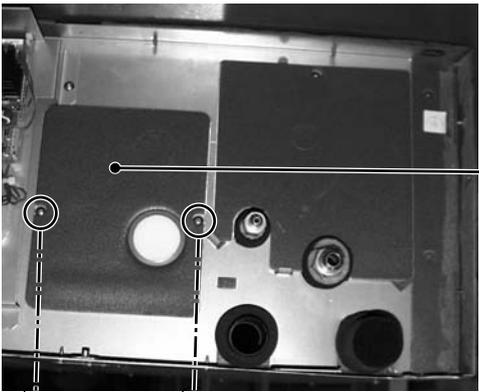
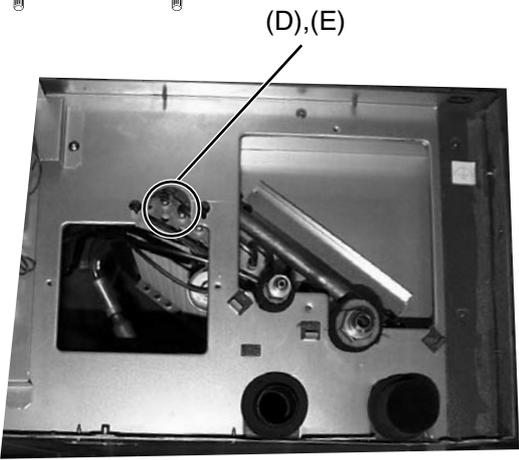
DISASSEMBLY PROCEDURE

8-1 CONTROL BOX

Be careful removing heavy parts.

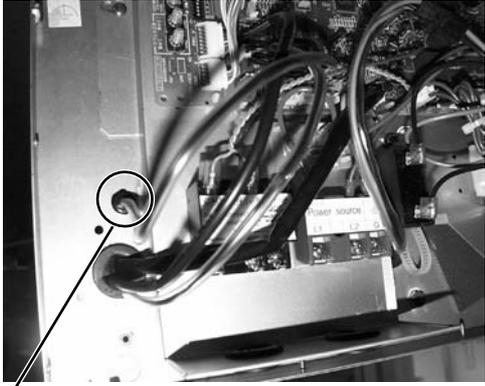
OPERATING PROCEDURE	PHOTOS
<p>1.Removing the control box cover (1)Remove the fixing screws(two) of the cover(A) and remove the cover.</p>	 <p>Fig.1</p>

8-2 THERMISTOR (Liquid piping temperature detection)

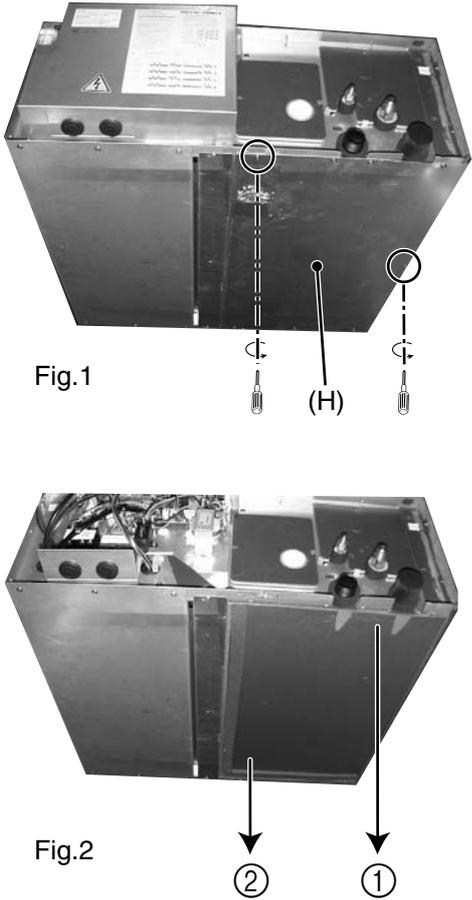
OPERATING PROCEDURE	PHOTOS
<p>1.Removing the cover (1)Remove the fixing screws(two) of the cover(C) and remove the cover.</p> <p>2.Removing the thermistor (1)Remove the thermistor(D), from the thermistor holder(E), which are installed on the copper tube.</p>	 <p>Fig.1</p>  <p>Fig.2</p>

8-3 THERMISTOR (Intake air temperature detection)

Be careful removing heavy parts.

OPERATING PROCEDURE	PHOTOS
<p>1.Removing the thermistor and thermistor holder (1)Pull out the thermistor holder(F) and thermistor (G) which are fixed the control box.</p>	 <p>(F),(G)</p> <p>Fig.1</p>

8-4 DRAINPAN

OPERATING PROCEDURE	PHOTOS
<p>1.Removing the cover (1)Remove the fixing screws of the cover(H) and remove the cover.</p> <p>2.Removing the drainpan (1)Pull and remove the drainpan in the direction of the arrow ① and ② alternatively.</p>	 <p>Fig.1</p> <p>(H)</p> <p>Fig.2</p> <p>②</p> <p>①</p>

8-5 THERMISTOR (Gus piping temperature detection)

OPERATING PROCEDURE

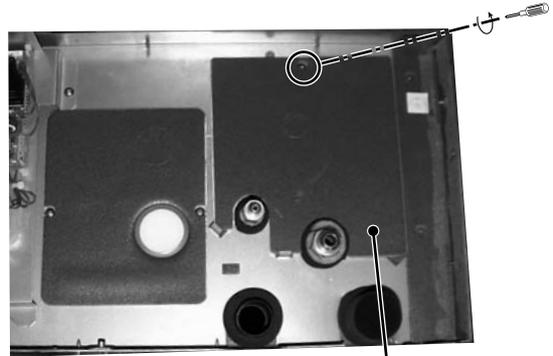
1.Removing the cover

(1)Remove the fixing screw of the cover(J) and remove the cover.

2.Removing the thermistor

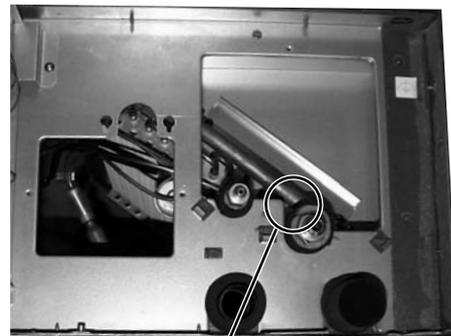
(1)Remove the thermistor(K), from the thermistor holder(L), which are installed on the copper tube.

PHOTOS



(J)

Fig.1



(K),(L)

Fig.2

8-6 FAN and FAN MOTOR

OPERATING PROCEDURE

1.Removing the filter

(1)Press the tabs of the filter and remove the filter in the direction of the arrow ①.

2.Removing the bottom plate

(1)Remove the fixing screws (two) of the bottom plate(N) and remove the plate.

3.Removing the cable

(1)Remove the cable(P) threw the rubber bush.

4.Sliding the fan section

(1)Remove the fixing screws(two) of the fan base plate.

(2)Pull up the fan section(Q) in direction of the arrow ② and slide the direction of the arrow ③.

5.Removing fan casing and sirroco fan

(1)Remove the fixing screws (four) of the fan casing(R).

(2)Remove the fan motor shaft fixing screw and remove the fan casing(R) and sirroco fan.

6.Removing the fan motor

(1)Remove the condensor cable

(in case of Model:PDFY-P36,P48NMU-E)

(2)Remove the fixing screws of the motor fixtures (two) and remove the motor.

Notice:Incase of the Model(PDFY-P15~P48NMU-E) stick out the motor shafts on both side of the motor.

PHOTOS

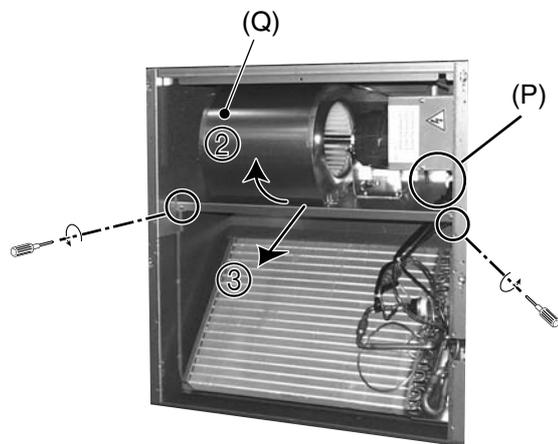
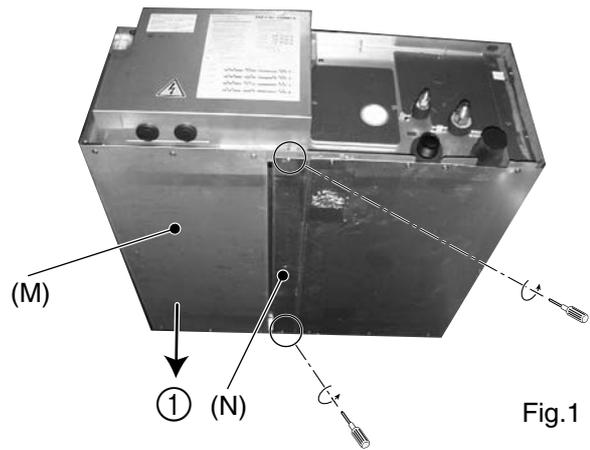


Fig.2

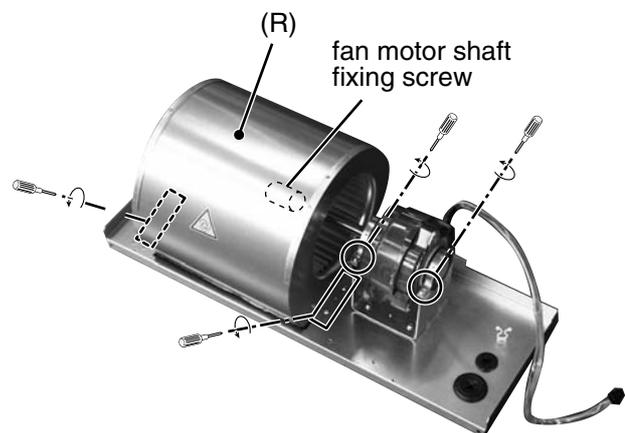


Fig.3

8-7 HEAT EXCHANGER

OPERATING PROCEDURE

1.Removing the drainpan with procedure 8-4

2.Removing the cover(J) with procedure 8-5

3.Removing the Heat exchanger

(1)Remove the fixing screws of the heat exchanger(S) and remove the heat exchanger.

PHOTOS

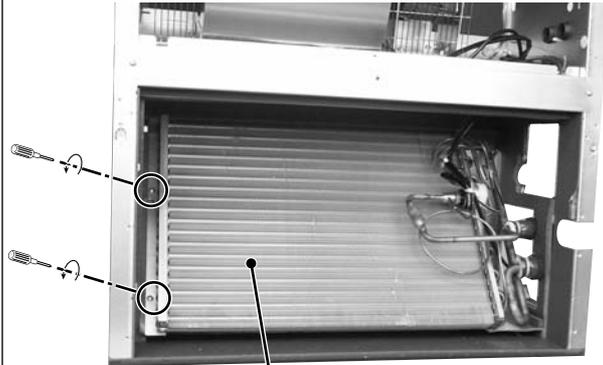


Fig.1

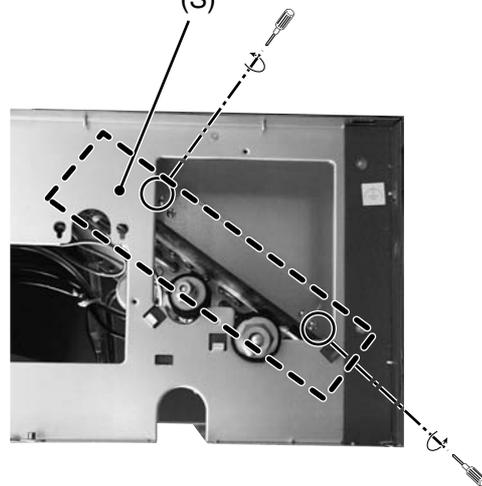


Fig.2



HEAD OFFICE: MITSUBISHI DENKI BLDG., 2-2-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

SERVICE PARTS LIST FOR MITSUBISHI ELECTRIC PACKAGED AIR-CONDITIONERS

Series : PDFY-P•NMU-E

REVISED

Jan. 2006

BWE0508A

INDEX

PDFY-P06NMU-E

PDFY-P08NMU-E

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PDFY-P15NMU-E

PDFY-P18NMU-E

PDFY-P24NMU-E

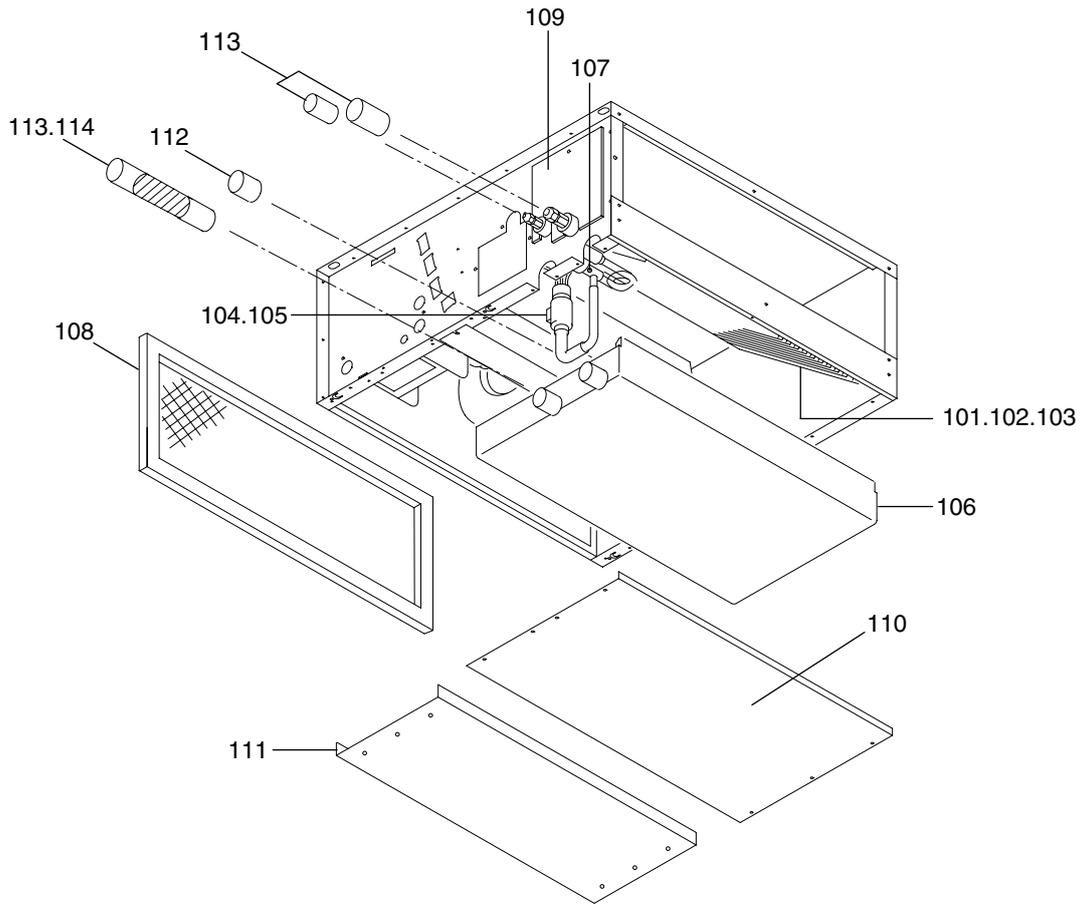
PDFY-P27NMU-E

PDFY-P30NMU-E

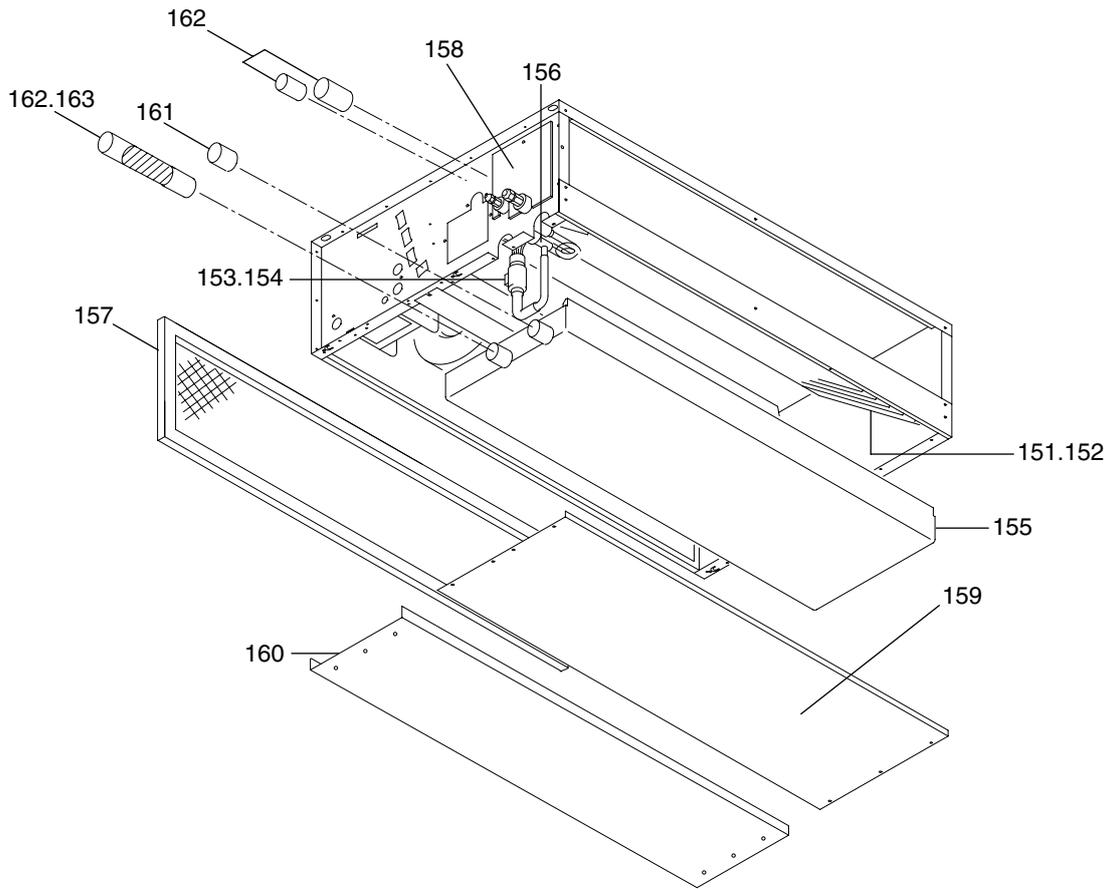
PDFY-P36NMU-E

PDFY-P48NMU-E

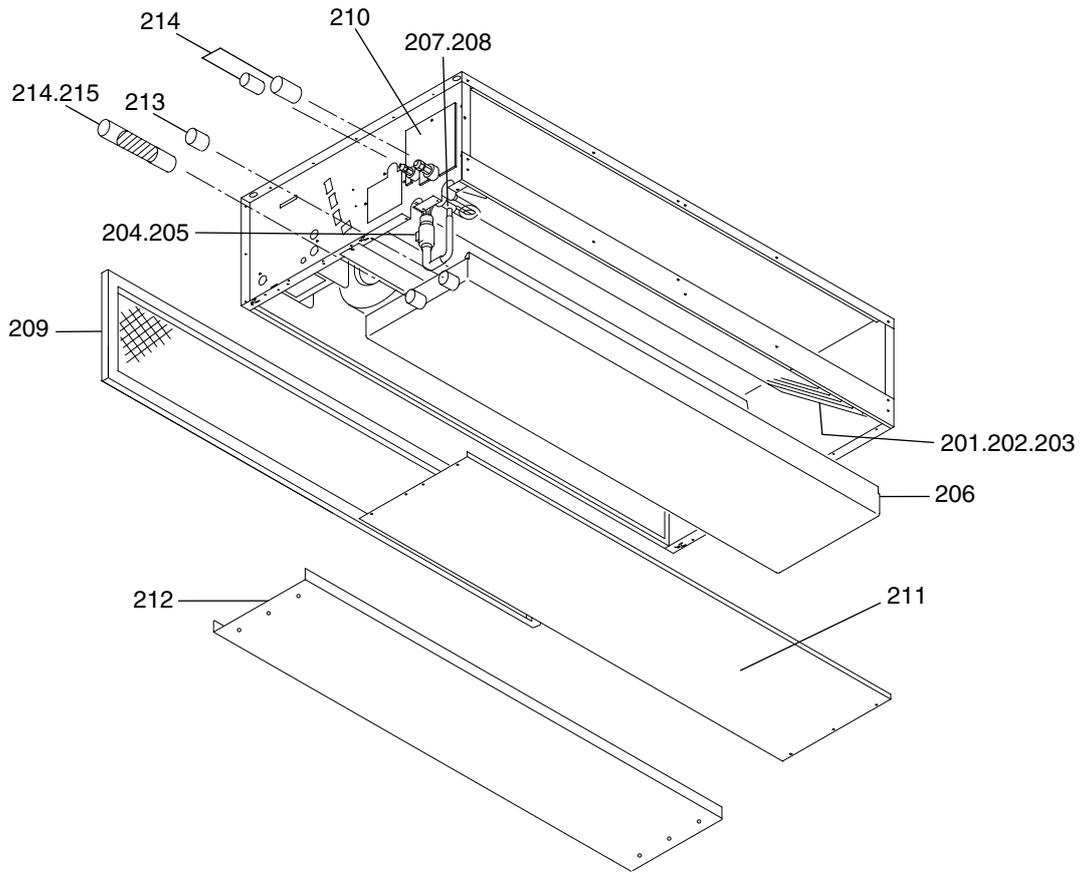




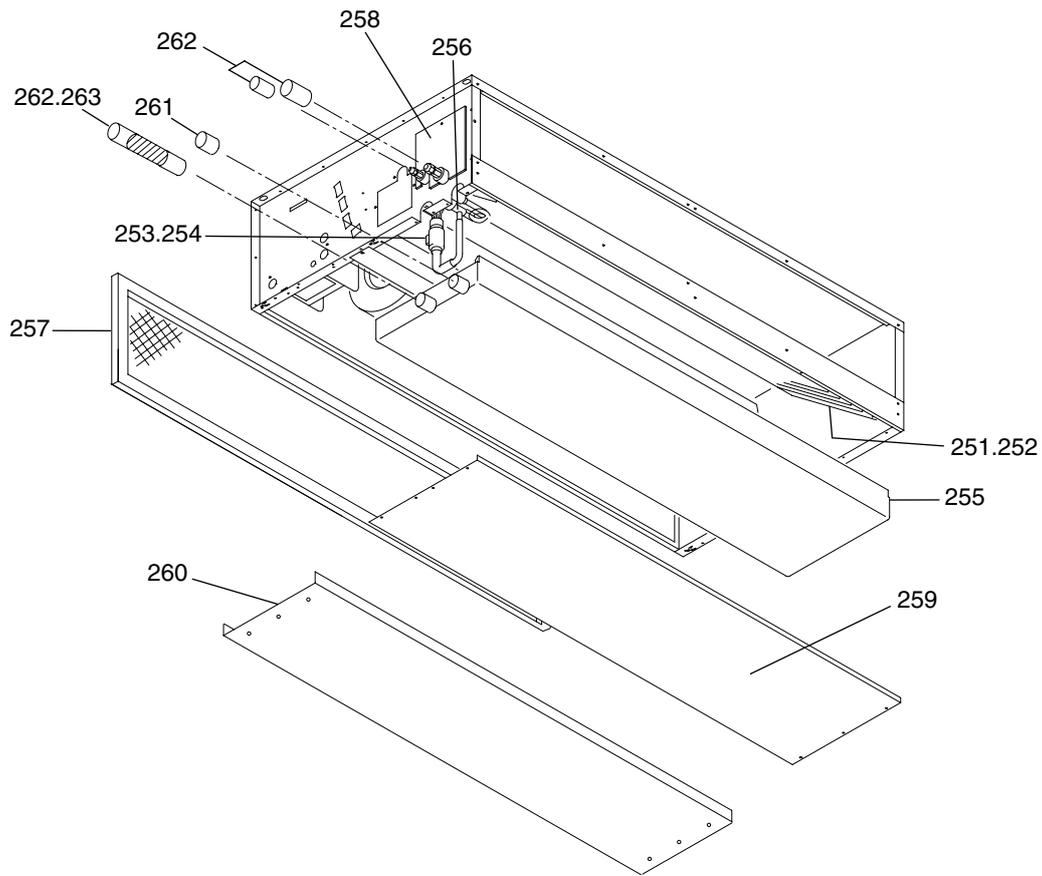
No.	Part No.	RoHS Compliant : G		Spec.	-P06NMU-E	-P08NMU-E	-P12NMU-E			Dwg. No.	Price	Revision History
		Part Name										
101	R61 Y10 483	Heat exchanger			1					W276908G08		
102	R61 Y14 483	Heat exchanger				1				W276908G12		
103	R61 Y11 483	Heat exchanger					1			W276908G09		
104	R61 Y12 201	Sensor assy (Gas)		<TH23>	1	1	1			W870619G11		
105	R61 Y13 201	Sensor assy (Liquid)		<TH22>	1	1	1			W870619G12		
106	R61 Y21 529	Drain pan			1	1	1			W648373G09		
107	R63 S38 401	G	Linear expansion valve	EDM-40Y <LEV>	1	1	1			P632407X01		A
108	R61 Y07 501	Filter			1	1	1			W254006G23		
109	R61 H65 667	Cover			1	1	1			W850425G01		
110	R61 Y03 661	Bottom plate			1	1	1			W897154G05		
111	R61 Y05 661	Bottom plate			1	1	1			W896250G05		A
112	R61 E96 558	Rubber stopper			1	1	1			P312040X01		
113	R61 S38 526	Drain hose set			1	1	1			W650735G02		
114	R61 Y02 525	Drain hose set			1	1	1			W650735G06		



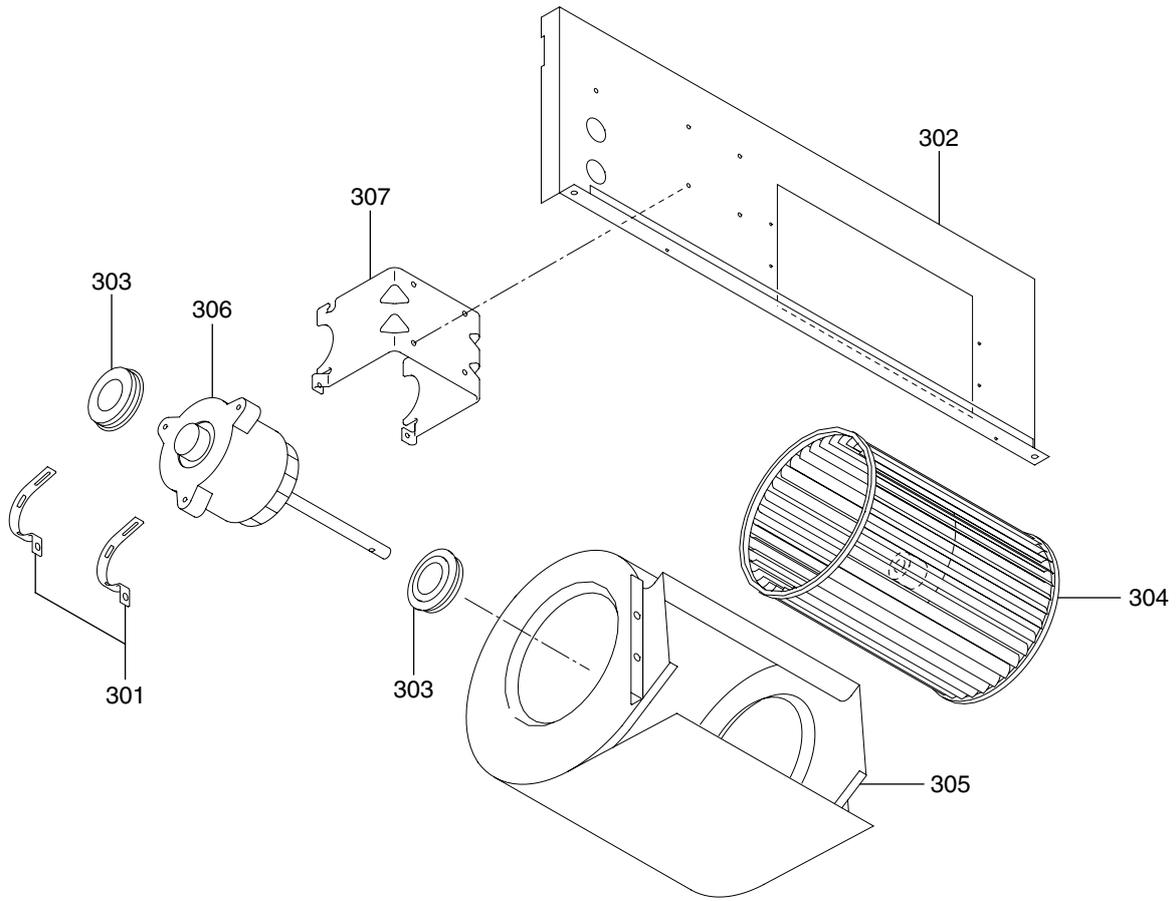
No.	Part No.	RoHS Compliant : G		Spec.	P15NMU-E	P18NMU-E					Dwg. No.	Price	Revision History
		Part Name											
151	R61 Y15 483	Heat exchanger			1						W276908G13		
152	R61 Y12 483	Heat exchanger				1					W276908G10		
153	R61 Y12 201	Sensor assy (Gas)		<TH23>	1	1					W870619G11		
154	R61 Y13 201	Sensor assy (Liquid)		<TH22>	1	1					W870619G12		
155	R61 Y22 529	Drain pan			1	1					W648373G10		
156	R63 S38 401	G	Linear expansion valve	EDM-40Y <LEV>	1	1					P632407X01		A
157	R61 Y09 501	Filter			1	1					W254006G24		
158	R61 H65 667	Cover			1	1					W850425G01		
159	R61 Y04 661	Bottom plate			1	1					W897154G06		
160	R61 Y06 661	Bottom plate			1	1					W896250G06		A
161	R61 E96 558	Rubber stopper			1	1					P312040X01		
162	R61 S38 526	Drain hose set			1	1					W650735G02		
163	R61 Y02 525	Drain hose set			1	1					W650735G06		



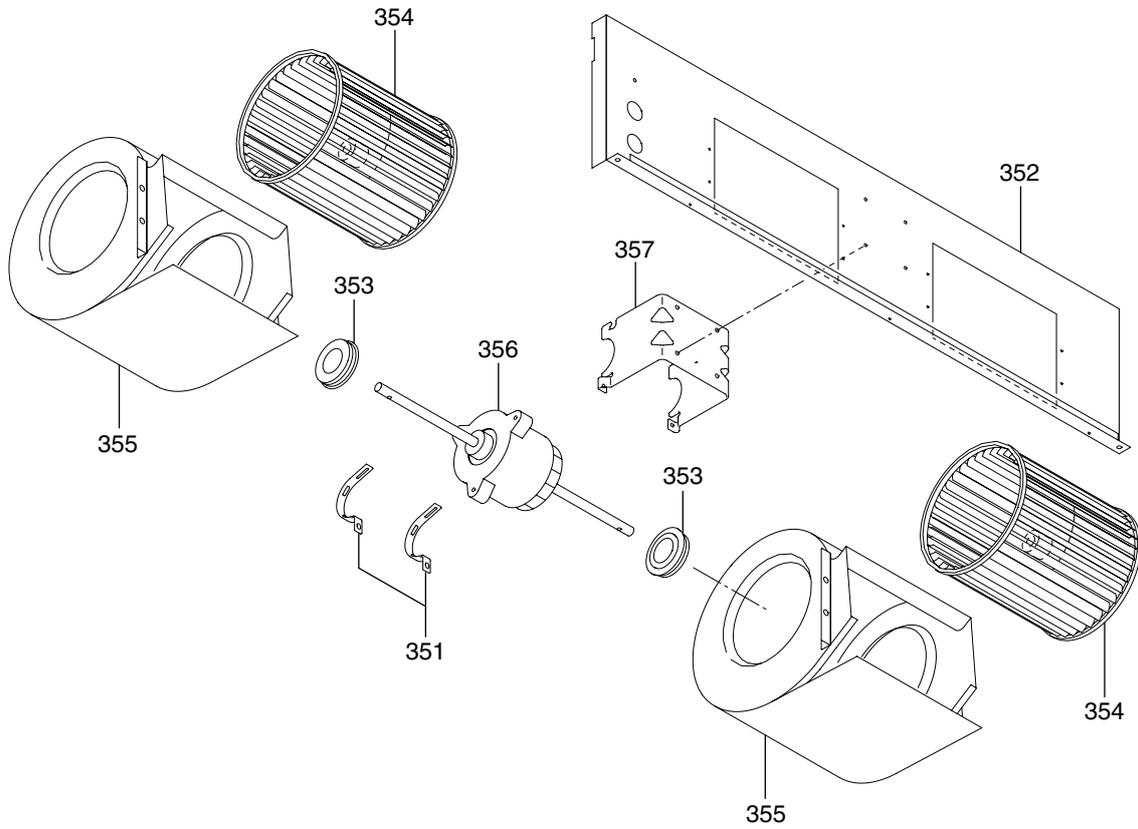
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		Part Name										
201	R61 Y16 483	Heat exchanger			1					W276908G14		
202	R61 Y13 483	Heat exchanger				1				W276908G11		
203	R61 Y17 483	Heat exchanger					1			W276908G15		
204	R61 Y12 201	Sensor assy (Gas)		<TH23>	1	1	1			W870619G11		
205	R61 Y13 201	Sensor assy (Liquid)		<TH22>	1	1	1			W870619G12		
206	R61 Y23 529	Drain pan			1	1	1			W648373G11		
207	R63 S38 401	G	Linear expansion valve	EDM-40Y <LEV>	1					P632407X01		A
208	R63 R22 401	G	Linear expansion valve	EDM-80Y <LEV>		1	1			P632410X01		A
209	R61 Y08 501	Filter			1	1	1			W254006G25		
210	R61 H65 667	Cover			1	1	1			W850425G01		
211	R61 Y07 661	Bottom plate			1	1	1			W897154G07		
212	R61 Y08 661	Bottom plate			1	1	1			W896250G07		A
213	R61 E96 558	Rubber stopper			1	1	1			P312040X01		
214	R61 S38 526	Drain hose set			1	1	1			W650735G02		
215	R61 Y02 525	Drain hose set			1	1	1			W650735G06		



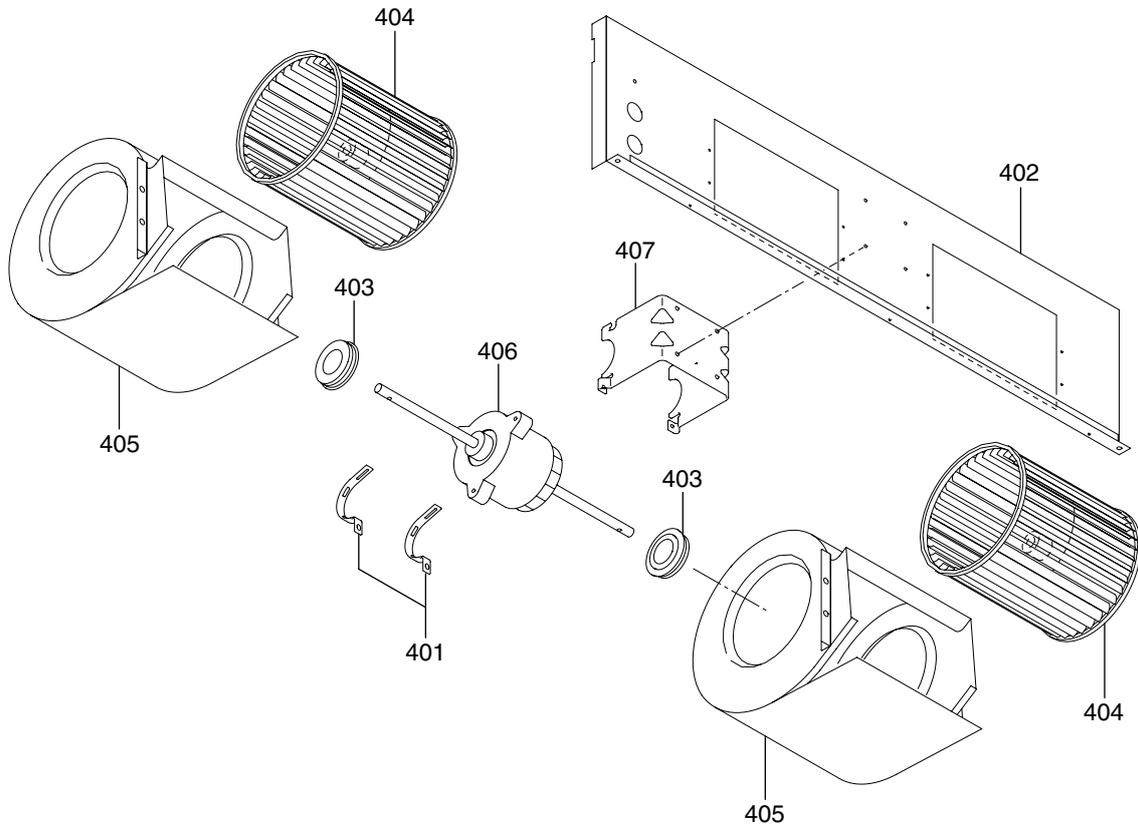
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		Part Name											
251	R61 Y18 483	Heat exchanger			1						W265604G21		A
252	R61 Y19 483	Heat exchanger				1					W265604G22		A
253	R61 Y14 201	Sensor assy (Gas)		<TH23>	1	1					W870619G13		
254	R61 Y15 201	Sensor assy (Liquid)		<TH22>	1	1					W870619G14		
255	R61 Y24 529	Drain pan			1	1					W648373G12		
256	R61 Y20 401	Linear expansion valve		EDM-80Y <LEV>	1	1					W897186G02		
257	R61 Y10 501	Filter			1	1					W254006G26		
258	R61 H65 667	Cover			1	1					W850425G01		
259	R61 Y09 661	Bottom plate			1	1					W897154G08		
260	R61 Y10 661	Bottom plate			1	1					W896250G08		A
261	R61 E96 558	Rubber stopper			1	1					P312040X01		
262	R61 S38 526	Drain hose set			1	1					W650735G02		
263	R61 Y02 525	Drain hose set			1	1					W650735G06		



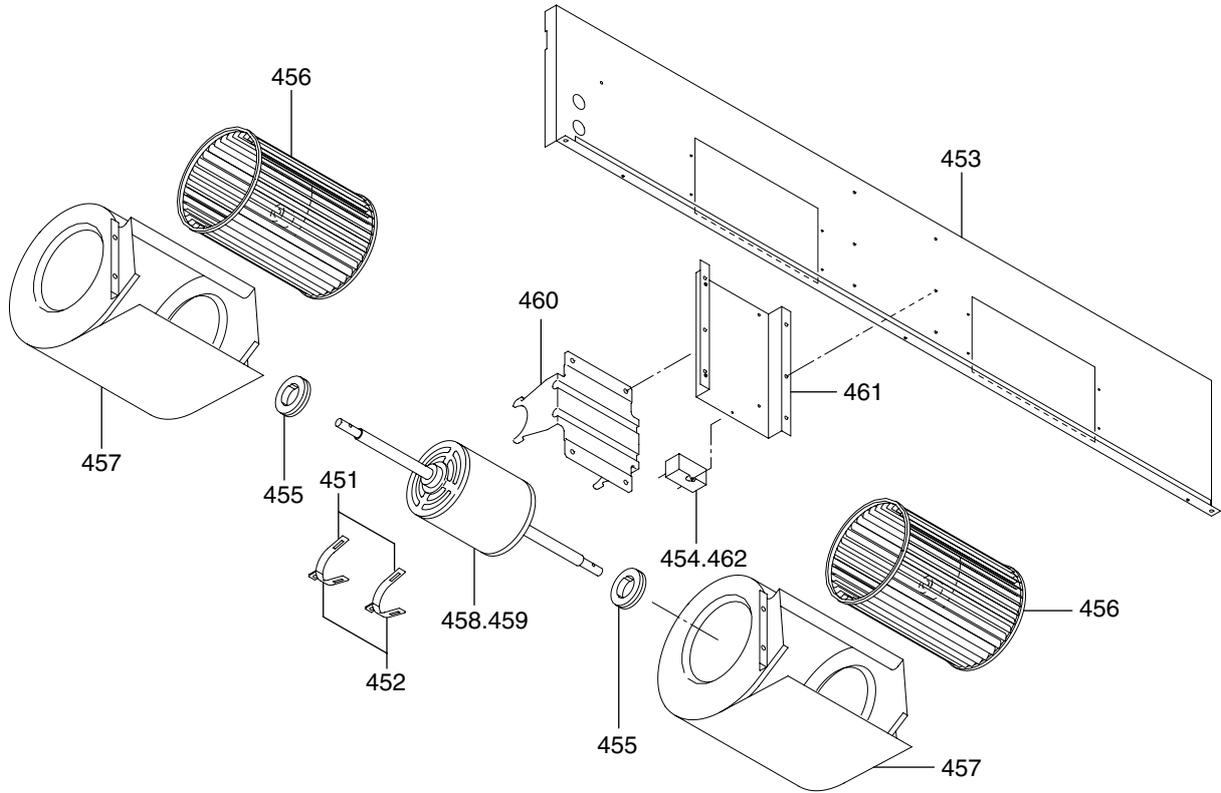
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		Part Name											
301	R61 652 131	Fixing plate			2	2	2				W353715H01		
302	R61 Y10 140	Fan base			1	1	1				W631043H01		
303	R61 979 104	Rubber bush			2	2	2				W843446H02		
304	R61 G21 114	Sirocco fan		18-23PL	1	1	1				W122297G02		
305	R61 0G1 110	Fan casing		18-23PL	1	1	1				W880698G02		A
306	R61 Y71 220	Motor		D104P75MW <MF>	1	1	1				P714425X01		
307	R61 975 130	Motor support			1	1	1				W252768H01		



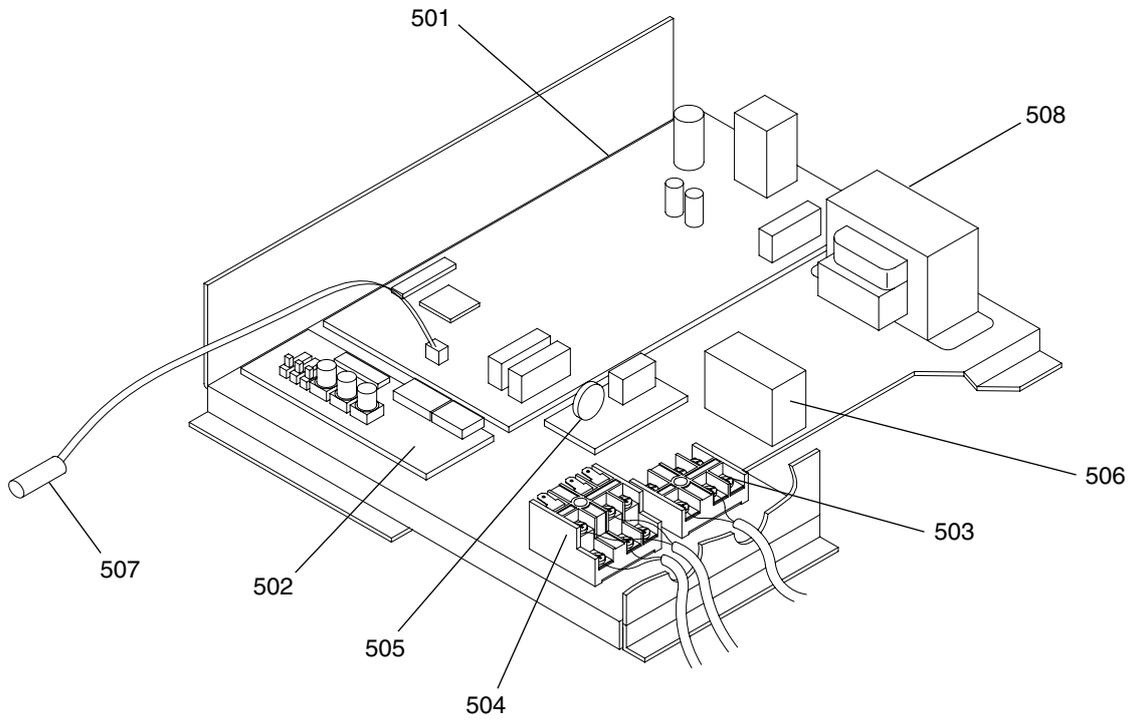
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		Part Name											
351	R61 652 131	Fixing plate			2	2					W353715H01		
352	R61 Y12 140	Fan base 50			1	1					W631855H01		
353	R61 979 104	Rubber bush			2	2					W843446H02		
354	R61 G22 114	Sirocco fan		18-18PL	2	2					W122296G02		
355	R61 0G3 110	Fan casing		18-18PL	2	2					W880695G02		A
356	R61 979 220	Motor		D104P85MW <MF>	1	1					P714079X02		
357	R61 975 130	Motor support			1	1					W252768H01		



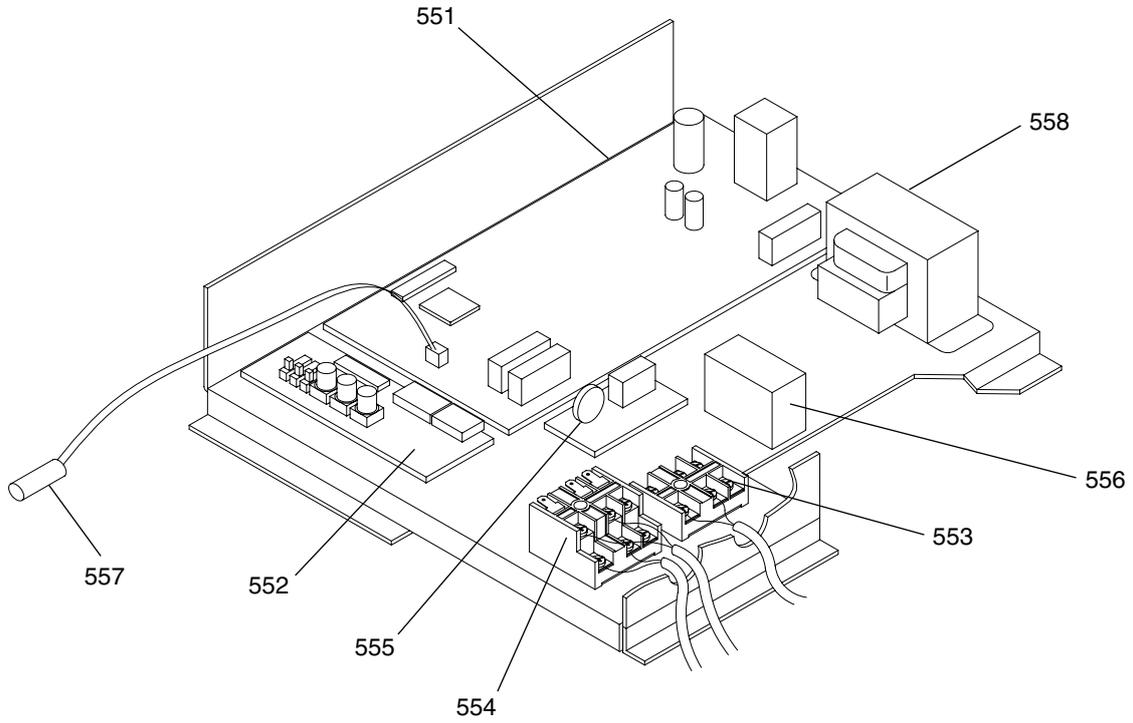
No.	Part No.	RoHS Compliant : G		Spec.	-P24NMU-E	-P27NMU-E	-P30NMU-E				Dwg. No.	Price	Revision History
		Part Name											
401	R61 652 131	Fixing plate			2	2	2				W353715H01		
402	R61 Y13 140	Fan base 80			1	1	1				W631854H01		
403	R61 979 104	Rubber bush			2	2	2				W843446H02		
404	R61 G21 114	Sirocco fan		18-23-PL	2	2	2				W122297G02		
405	R61 0G1 110	Fan casing		18-23-PL	2	2	2				W880698G02		A
406	R61 980 220	Motor		D104P95MW <MF>	1	1	1				P714078X02		
407	R61 975 130	Motor support			1	1	1				W252768H01		



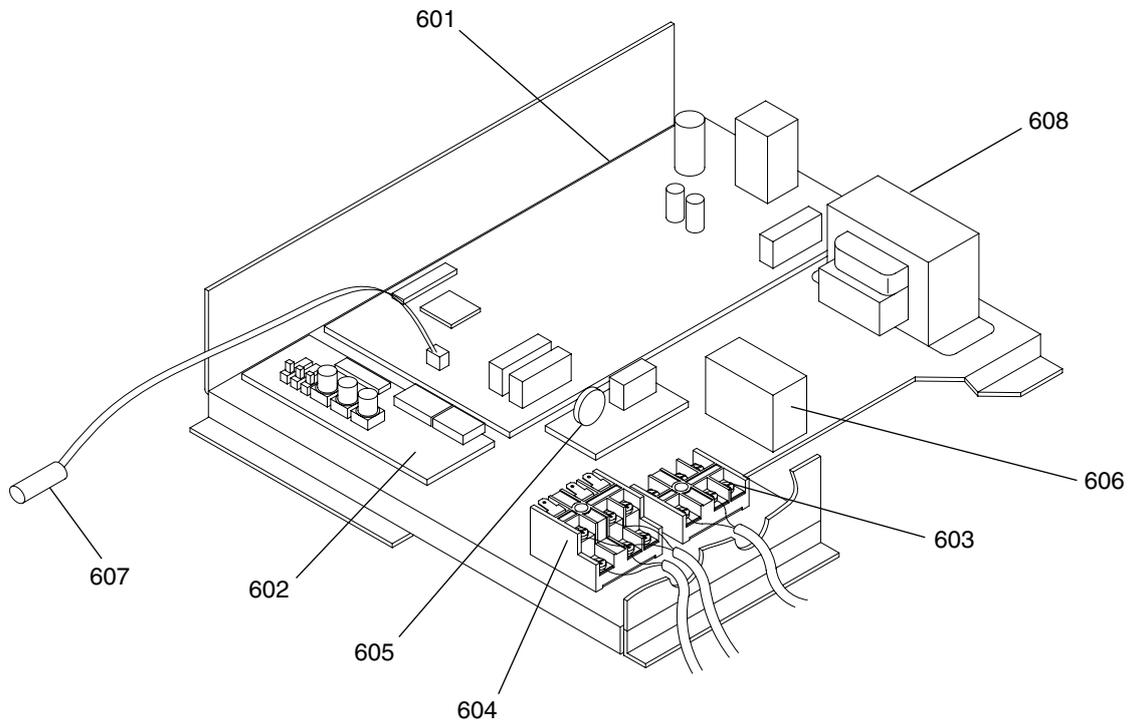
No.	Part No.	RoHS Compliant : G		Spec.	P36NMU-E	P48NMU-E					Dwg. No.	Price	Revision History
		Part Name											
451	R60 507 131	Fixing plate	(with nut)		2	2					R02F328H09		
452	R60 507 132	Fixing plate			2	2					R02F328G84		
453	R61 Y11 140	Fan base 125			1	1					W631856H01		
454	R61 Y30 252	Capacitor 5	5µF 440VAC <C>		1						P412305X01		
455	R61 755 104	Rubber bush			2	2					R31F676H01		
456	R61 Y01 114	Sirocco fan	20-23L		2	2					P712189X02		
457	R61 397 110	Fan casing	20-23L		2	2					P712196X01		
458	R63 Y18 221	G Motor	NC-100VM1 <MF>		1						P714641X02		A
459	R63 Y19 221	G Motor	NC-125VM1 <MF>			1					P714642X02		A
460	R61 772 130	Leg			1	1					R02G131H07		
461	R61 Y16 140	Motor base			1	1					W873582G01		
462	R61 Y31 252	Capacitor 8	8µF 440VAC <C>			1					P412308X01		



No.	Part No.	RoHS Compliant : G		Spec.	-P06NMU-E	-P08NMU-E	-P12NMU-E				Dwg. No.	Price	Revision History
		Part Name											
501	R61 Y71 281	Board assy		<I.B>	1	1	1				W849072G11		
502	R61 Y37 281	Board assy		<A.B>	1	1	1				W849036G09		
503	R63 Y08 715	G	Terminal block	<TB2>	1	1	1				P436157X01		A
504	R63 336 246	G	Terminal block	<TB5>,<TB15>	1	1	1				P436114X03		A
505	R61 Y22 280	Board assy		FP-DSA	1	1	1				W849072G13		
506	R61 Y32 252	Capacitor 3		3μF 440VAC <C>	1	1	1				P412303X01		
507	R61 Y16 201	Sensor assy		<TH21>	1	1	1				W870619G15		
508	R61 Y22 260	Transformer		240V/23.5V-0.9A <T>	1	1	1				P715353X01		



No.	Part No.	RoHS Compliant : G		Spec.	P15NMU-E	P18NMU-E				Dwg. No.	Price	Revision History
		Part Name										
551	R61 Y71 281	Board assy		<I.B>	1	1				W849072G11		
552	R61 Y37 281	Board assy		<A.B>	1	1				W849036G09		
553	R63 Y08 715	G	Terminal block	<TB2>	1	1				P436157X01		A
554	R63 336 246	G	Terminal block	<TB5>,<TB15>	1	1				P436114X03		A
555	R61 Y22 280	Board assy		FP-DSA	1	1				W849072G13		
556	R61 Y30 252	Capacitor 5		5μF 440VAC <C>	1	1				P412305X01		
557	R61 Y16 201	Sensor assy		<TH21>	1	1				W870619G15		A
558	R61 Y22 260	Transformer		240V/23.5V-0.9A <T>	1	1				P715353X01		



No.	Part No.	RoHS Compliant : G		Spec.	-P24NMU-E	-P27NMU-E	-P30NMU-E				Dwg. No.	Price	Revision History
		Part Name											
601	R61 Y71 281	Board assy		<I.B>	1	1	1				W849072G11		
602	R61 Y37 281	Board assy		<A.B>	1	1	1				W849036G09		
603	R63 Y08 715	G	Terminal block	<TB2>	1	1	1				P436157X01		A
604	R63 336 246	G	Terminal block	<TB5>,<TB15>	1	1	1				P436114X03		A
605	R61 Y22 280	Board assy		FP-DSA	1	1	1				W849072G13		
606	R61 Y33 252	Capacitor 6		6μF 440VAC <C>	1	1	1				P412306X01		
607	R61 Y16 201	Sensor assy		<TH21>	1	1	1				W870619G15		A
608	R61 Y22 260	Transformer		240V/23.5V-0.9A <T>	1	1	1				P715353X01		

