

February 2012

No. OC179 REVISED EDITION-B

TECHNICAL & SERVICE MANUAL

Series PKFY Wall Mounted R407C / R22

<Indoor unit>
[Model names]

[Service Ref.]

PKFY-P32VGM

PKFY-P32VGM

PKFY-P40VGM

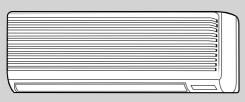
PKFY-P40VGM

PKFY-P50VGM

PKFY-P50VGM

Revision:

- The indicated No. of CORNER COVER (page 19) in the illustration have been corrected in REVISED EDITION-B.
- Some descriptions have been modified.
- Please void OC179 REVISED EDITION-A.



Indoor unit

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SAFETY PRECAUTION

CAUTIONS RELATED TO NEW REFRIGERANT

Cautions for units utilizing refrigerant R407C

Do not use the existing refrigerant piping.

The old refrigerant and lubricant in the existing piping contains a large amount of chlorine which may cause the lubricant deterioration of the new unit.

Use "low residual oil piping"

If there is a large amount of residual oil (hydraulic oil, etc.) inside the piping and joints, deterioration of the lubricant will result.

Store the piping to be used indoors during installation and both ends 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 ESTR, ETHER or HAB as the lubricant to coat flares and flange connection parts.

If large amount of mineral oil enters, that can cause deterioration of refrigerant oil etc.

Use liquid refrigerant to charge 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 R407C.

If another refrigerant (R22, etc.) is used, the chlorine in the refrigerant may cause the lubricant deterioration.

Use a vacuum pump with a reverse flow check valve.

The vacuum pump oil may flow back into the refrigerant cycle and cause the lubricant deterioration.

Use the specified refrigerant only.

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of.

Correct refrigerant is specified in the manuals and on the spec labels provided with our products.

We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

Ventilate the room if refrigerant leaks during operation. If refrigerant comes into contact with a flame, poisonous gases will be released.

[1] Service tools

Use the below service tools as exclusive tools for R407C refrigerant.

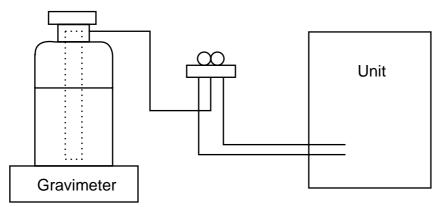
No.	Tool name	Specifications
1	Gauge manifold	Only for R407C.
		·Use the existing fitting SPECIFICATIONS. (UNF7/16)
		·Use high-tension side pressure of 3.43MPa·G or over.
2	Charge hose	Only for R407C.
		·Use pressure performance of 5.10MPa·G or over.
3	Electronic scale	
4	Gas leak detector	·Use the detector for R134a or R407C.
(5)	Adapter for reverse flow check.	·Attach on vacuum pump.
6	Refrigerant charge base.	
7	Refrigerant cylinder.	·For R407C ·Top of cylinder (Brown)
		·Cylinder with syphon
8	Refrigerant recovery equipment.	

[2] Cautions for service

- After recovering all the refrigerant in the unit, proceed to working.
- Do not release refrigerant in the air.
- After completing the repair service, recharge the cycle with the specified amount of liquid refrigerant.

[3] Refrigerant recharging

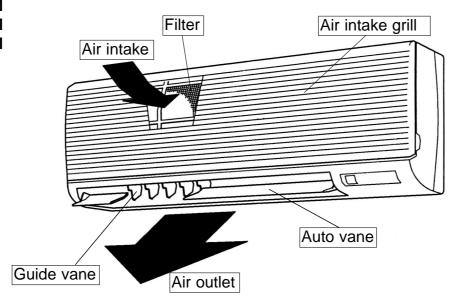
- (1) Refrigerant recharging process
 - ①Direct charging from the cylinder.
 - •R407C cylinder are available on the market has a syphon pipe.
 - ·Leave the syphon pipe cylinder standing and recharge it.
 - (By liquid refrigerant)



- (2) Recharge in refrigerant leakage case
 - ·After recovering the all refrigerant in the unit, proceed to working.
 - ·Do not release the refrigerant in the air.
 - ·After completing the repair service, recharge the cycle with the specified amount of liquid refrigerant.

PART NAMES AND FUNCTIONS

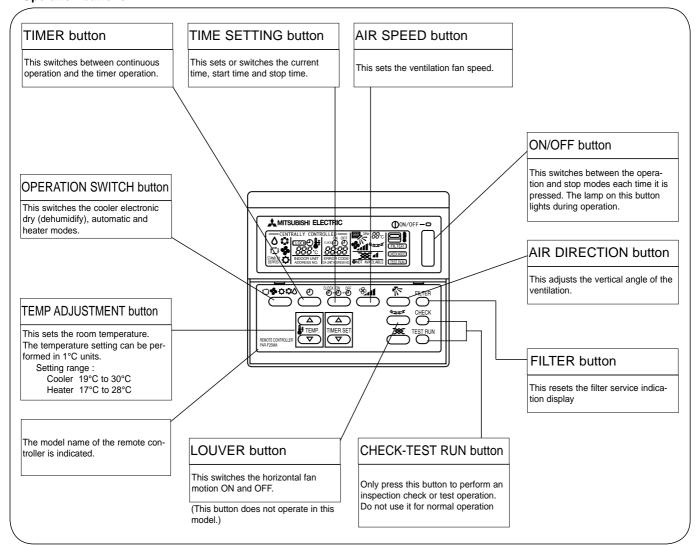
Indoor Unit
 PKFY-P32VGM
 PKFY-P40VGM
 PKFY-P50VGM



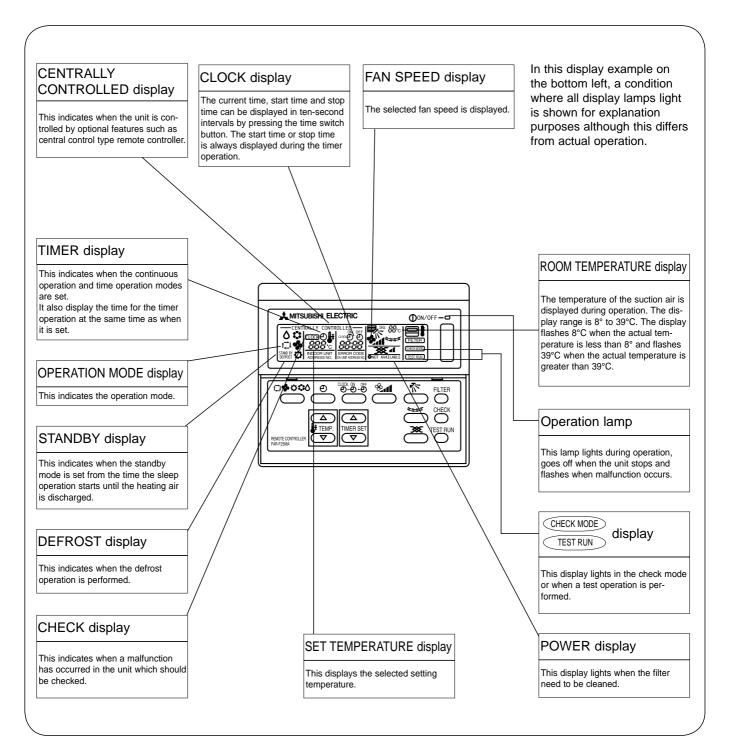
• Remote controller [PAR-F25MA]

• Once the controls are set, the same operation mode can be repeated by simply pressing the on / off button.

• Operation buttons



Display



Caution

- Only the Power display lights when the unit is stopped and power supplied to the unit.
- When power is turned ON for the first time the (CENTRAL CTRL) display appears to go off momentarily but this is not a mal-
- When the central control remote control unit, which is sold separately, is used the ON-OFF button, Operation switch button and # TEMP button do not operate.
- "NOT AVAILABLE" is displayed when the Air speed button and the Louver button are pressed. This indicates that this room unit is not equipped with the fan direction adjustment function and the louver function.
- When power is turned ON for the first time, it is normal that "HO" is displayed on the room temperature indication (For max. 2 minutes). Please wait until this "HO" indication disappear then start the operation.

SPECIFICATIONS

3-1. Specification

Item			Unit	PKFY-P32VGM	PKFY-P40VGM	PKFY-P50VGM		
Power	source		V · Hz	Single phase 220-240V 50Hz / 220V 60Hz				
Cooling	g capacity		kcal/h	3150	3150 4000 5000			
Heatin	g capacity		kcal/h	3550	4500	5600		
Electric characteristic	Power	Cooling	kW		0.07			
	consumption	Heating	kW		0.07			
	Current	Cooling	Α		0.32			
	Current	Heating	Α		0.32			
Exterio	r <munsell symbol<="" td=""><td>l></td><td>_</td><td>Plas</td><td>stic , white : <0.70Y 8.59/0</td><td>).97></td></munsell>	l>	_	Plas	stic , white : <0.70Y 8.59/0).97>		
		Height	mm	340				
Dimer	sions	Width	mm	990				
		Depth	mm	235				
Heat e	xchanger		_	Cross fin(Aluminum plate fin and copper tube)				
	Type × No.		_	Lineflow fan × 1				
_	Air flow *2		m³/min	11.5 - 10.	5 - 9.5 - 8	12 - 11 - 10 - 9		
Fan	External stafic pr	ressure	Pa		0			
	Fan motor outpu	t	kW		0.03			
Air filte	r		_		PP Honey comb			
Refrige	erant	Gas side	ømm	12.7 <	<1/2">	15.88 <5/8">		
pipe di	mensions	Liquid side	ømm	6.35 <	<1/4">	9.52 <3/8">		
Drain p	pipe dimension	•	ϕ mm	Outer diameter 20 <pvc connectable="" pipe="" vp-20=""></pvc>				
Noise level *2			dB (A)	41 - 38 - 36 - 33 43 - 40 - 37 - 34				
Produc	ct weight		kg		16			

Note: *1. Rating conditions

Cooling : Indoor 27°C DB. 19.5°C WB Outdoor 35°C DB. 24°C WB

Heating : Indoor 21°C DB. Outdoor 7°C DB.

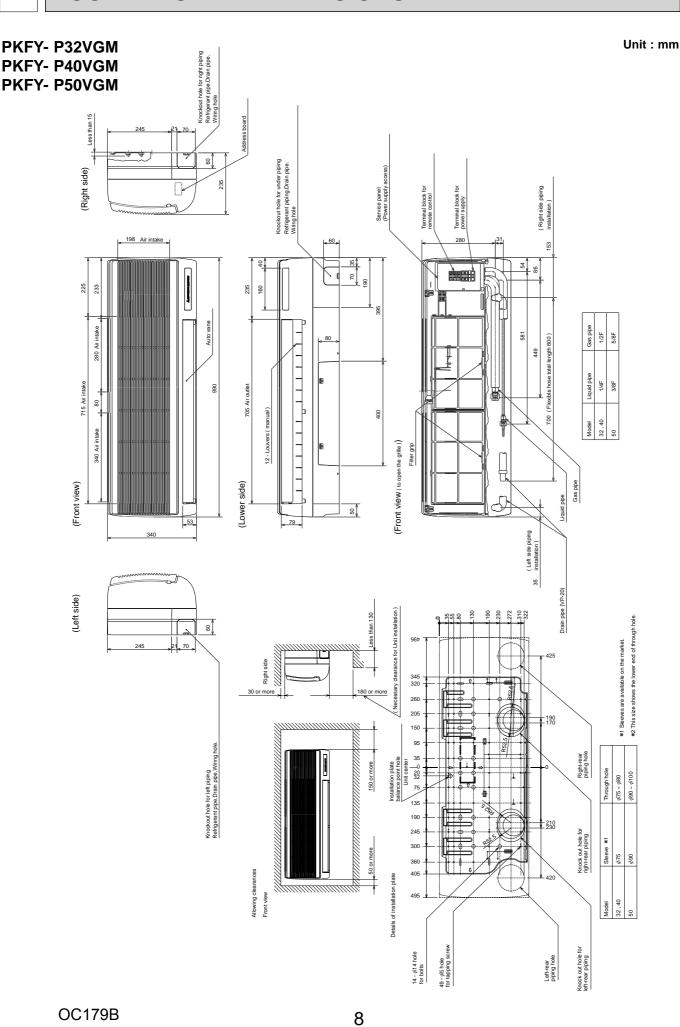
6°C WB

*****2. Air flow and the noise level are indicated as $\,$ High - Medium1 - Medium2 - Low .

3-2. Electrical parts specifications

Parts name Model	Symbol	PKFY-P32VGM	PKFY-P40VGM	PKFY-P50VGM				
Transformer	Т	(Primary) 50	(Primary) 50/60Hz 220 - 240V (Secondary) 18.4V 1.7A					
Room temperature thermistor	TH21							
Liquid pipe thermistor	TH22	0C/15k, 10C/9.	Resistance 0C/15k, 10C/9.6k, 20C/6.3k, 25C/5.4k, 30C/4.3k, 40C/3.0k					
Gas pipe thermistor	TH23							
Fuse (Indoor controller board) FUSE 250V 6.3A								
		PM4V30-K 220-240V/220V , 50/60Hz						
Fan motor	MF	4 pole Output 30W						
(with inner-thermostat)	1411	Inner-thermostat OFF 125 \pm 5 $^{\circ}$ C						
Fan motor capacitor	C1		2.0F 440V					
Vane motor	MV		MP 35 EA DC12V					
I in a second and a second	1.5\/		DC12V Stepping motor drive					
Linear expansion valve	LEV	Por	t dimension ϕ 3.2 (0 ~ 2000pu	lse)				
Power supply terminal block	TB2	(L, N, ⊕) 330V 30A						
Transmission terminal block TB5 (M1, M2, S) 250V 20A								

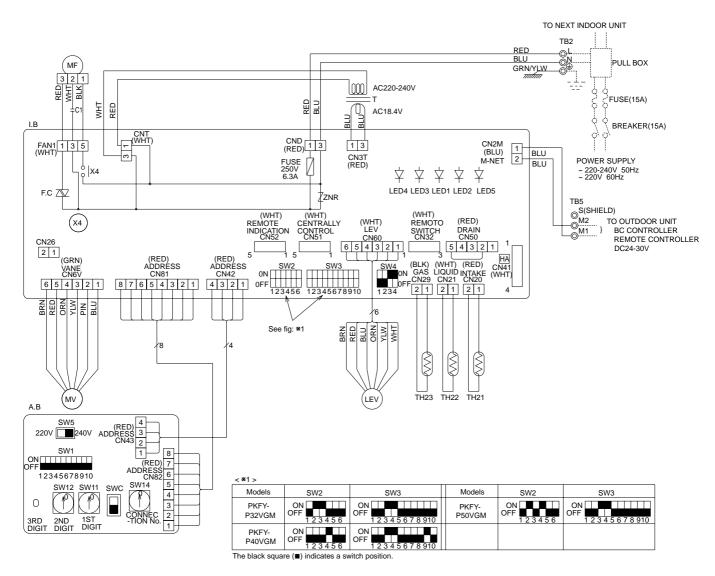
OUTLINES AND DIMENSIONS



WIRING DIAGRAM

PKFY-P32VGM, PKFY-P40VGM, PKFY-P50VGM

S	/mbol	Name		Symbol		Name	Symbol		Name	
I.B		Indoor contr	Indoor controller board		Thermistor Room temperature detection		A.E	3	Circuit board	
	CN32	Connector	Remote switch			(0°C/15kΩ,25°C/5.4kΩ)		SW1	Switch	Mode selection
	CN41]	HA terminal-A	TH22		Pipe temperature detection/Liquid		SW5		Voltage selection
	CN51		Centrally control			(0°C/15kΩ,25°C/5.4kΩ)		SW11		Address setting 1st digit
	CN52		Remote indication	TH23		Pipe temperature detection/Gas		SW12		Address setting 2nd digit
	SW2	Switch	Capacity code			(0°C/15kΩ,25°C/5.4kΩ)		SW14		Connection No.
	SW3		Mode selection	MF	Fan motor (with inner thermostat)			SWC		Option selector
	SW4		Model selection	C1	Capacitor (f	an motor)				
	ZNR	Varistor		MV	Vane motor					
	X4	Aux.Relay (F	an motor)	TB2	Terminal	Power supply				
	FUSE	Fuse (6.3A)	Fuse (6.3A)		block	ock Transmission				
	F.C	Fan phase c	Fan phase control		Linear expa	Linear expansion valve				
Т		Transformer								

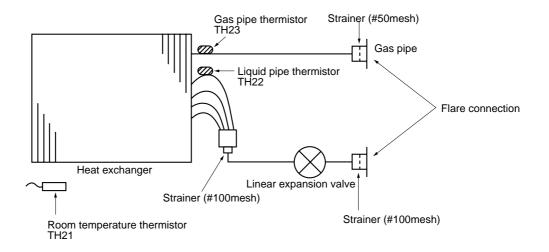


Note

- 1.At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.
- 2.Symbol[S] of TB5 is the shield wire connection.
- 3.Symbols used in wiring diagram above are, (i):terminal block, (ii):connecter.
- 4. The setting of the SW2 dip switches differs in the capacity for the detail, see the table below.
- 5.Please set the switch SW5 according to the power supply voltare.
- Set SW5 to 240V side when the power supply is 230 and 240 volts
- When the power supply is 220 volts, set SW5 to 220V side.

REFRIGERANT SYSTEM DIAGRAM

PKFY-P32VGM PKFY-P40VGM PKFY-P50VGM



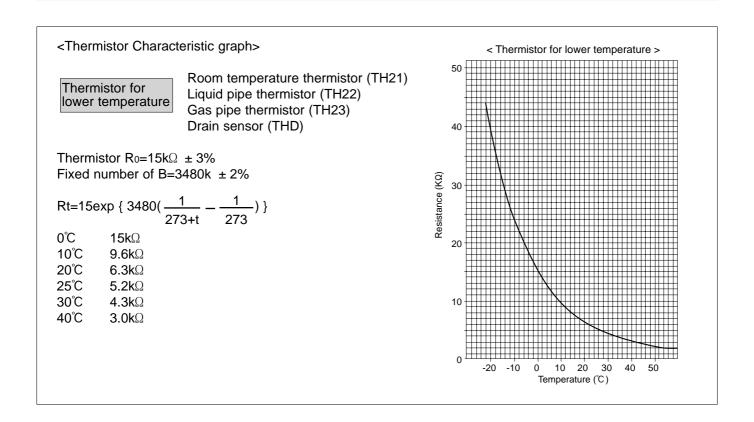
Refrigeration pipe size (Flare connection size)

Item	PKFY-P32VGM, PKFY-P40VGM	PKFY-P50VGM		
Gas pipe	φ12.7 <1/2F>	φ15.88<5/8F>		
Liquid pipe	φ6.35 <1/4F>	φ9.52<3/8F>		

TROUBLE SHOOTING

7-1. How to check PKFY-P32VGM , PKFY-P40VGM , PKFY-P50VGM

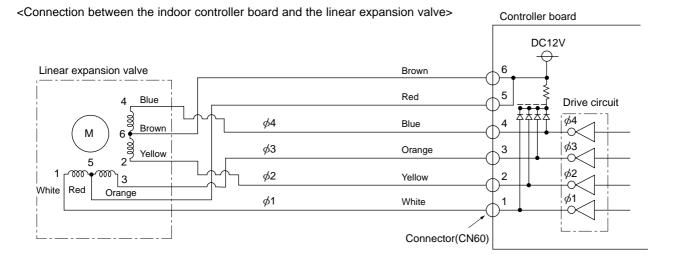
Parts name		C	heck method		
Room temperature thermistor (TH21)	Disconnect the connect (Surrounding temperatu		resistance with	h a tester.	
Liquid pipe	Normal Abnormal				
thermistor (TH22)	4.3kΩ~9.6kΩ	Open or short			
Gas pipe thermistor (TH23)					
Trans	Disconnect the connect	or then measure the	resistance wit	h a tester.	
CNT T CN3T		Normal	Abno	ormal	
Red Blue 1 2 2 2	CNT(1)-(3)	About 70Ω			
White Blue	CN3T(1)-(3)	About 1Ω	Open	or short	
Vane motor	Measure the resistance (Surrounding temperatu		als with a teste	r.	
Orange@	Connector	Norma	al	Abnormal	
	Brown - Yellow				
Red M	Brown - Blue	186Ω ~ 2	140	Open or short	
Pink———© ® ® ® Pink	Red - Orange	10032 * 2	1722	Open or short	
Yellow Brown Blue	Red - Pink				
Fan motor	Measure the resistance (Surrounding temperatu		als with a teste	er.	
Relay connector	Motor terminal or relay connector	Normal	А	bnormal	
2 White 2	Red - Black	141.2Ω	One	on or short	
3 Black 3	White - Black	131.5Ω	Оре	en or short	
Protector					
Linear expansion Disconnect the connector then measure the resistance with a tester. (Surrounding temperature 20°C)					
CN60 White		Normal		Abnormal	
Yellow 2 Orange 3	(1)-(5) (2)-(6 White-Red Yellow-B	6) (3)-(5) lown Orange-Red	(4)-(6) Blue-Brown	Open or short	
LEV Blue 4 Red 5	1	50Ω ±10%		'	
Brown 6					



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.



<Output pulse signal and the valve operation>

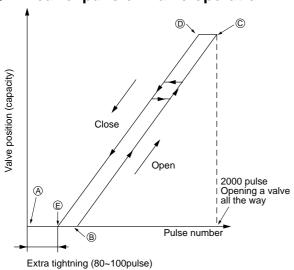
Output		Ou	tput	
(Phase)	1	2	3	4
φ1	ON	OFF	OFF	ON
φ2	ON	ON	OFF	OFF
φ3	OFF	ON	ON	OFF
φ4	OFF	OFF	ON	ON

Closing a valve : $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 1$ Opening a valve : $4 \rightarrow 3 \rightarrow 2 \rightarrow 1 \rightarrow 4$

The output pulse shifts in above order.

- 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 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 @ 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 er 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.	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.	
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 Ω +10%.	
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 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 thermistor 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.

7-2. FUNCTION OF DIP SWITCH PKFY-P32VGM , PKFY-P40VGM , PKFY-P50VGM

The black square (■) indicates a switch position.

Curitale	Dolo	Pole Function			Operatio	n by switch		Remarks			
Switch	Pole			ON		OFF		Remarks			
	1	Thermistor <intake detection="" temperature="">position</intake>			Bult-in remote controller		Indoor u	nit	Address board		
	2	Filter clogging detection			Provided		Not prov	vided	<initial setting=""></initial>		
	3	Filter life			2500hr		100hr		ON OFF		
0.177	4	Air intake			Effective		Not effe	ctive	1 2 3 4 5 6 7 8 9 10 NOTE: *1 At Heating mode, fan		
SW1 Mode	5	Remote in	dica	ation switching	Thermostat (ON signal indication	Fan out	put indication	operating. *2 At Heating mode, operat-		
Selection	6	Humidifie	r cc	ontrol	Always operated w	hile the heating mode *1	Operated d	epends on the condition *2	ing heat thermostat ON. *3 SW1-7=OFF, SW1-8=ON		
	7	Air flow s	et i	in case of	Fix to LOV	V *3	Fix to E	XTRA LOW *3	→Setting air flow. SW1-7=ON, SW1-8=ON →Indoor fan stop.		
	8	Heat ther	mo	stat OFF	Depends on setting	g Remote controller *3	Depend	s on SW1-7	→indoor fair stop.		
	9	Auto rest	art		Effective		Not effe	ctive			
	10	Power Of	V/O	FF	Effective		Not effe	ctive			
SW2 Capacity code setting	1~6	MODE PKFY P32VG	/ _	SW2 ON	MODELS PKFY- P40VGM	SW2 ON 0FF 1 2 3 4 5 6	MODELS PKFY- P50VGM	SW2 ON 1 2 3 4 5 6	Indoor controller board Set while the unit is off. <initial setting=""> Set for each capacity.</initial>		
	1 2	Heat pump/Cooling only Louver			Cooling only models Available		Heat pu	mp models	Indoor controller board Set while the unit is off.		
	3	Vane			Available		Not available		<initial setting=""></initial>		
	4	Vane swi	ng f	unction	Available		Not available		ON OFF 1 2 3 4 5 6 7 8 9 10		
SW3	5	Vane hor	izor	ntal angle	Second setting		First setting		NOTE: *4 At cooling mode, each		
Function Selection	6	Vane cooling	limit	angle setting *4	Horizontal angle		Down A	,B,C	angle can be used only 1 hour.		
	7	Indoor linea valve openir		oansion	Effective		Not effe	ctive	*5 SW3-9 setting PKFY-P32VGM = OFF		
	8	Heater 4	deç	j up	Not effecti	ve	Effective	9	PKFY-P40VGM = ON PKFY-P50VGM = OFF		
	9	Target Superheat setting *5		eat setting *5	9 degrees		6 degre	es			
	10	Target Su	ıbco	ool setting	15 degree	s	10 degr	ees			
SW4 Unit Selection	1~4	ON OFF 1 2 3 4					Indoor controller board Set while the unit is off. <initial setting=""> ON OFF 1 2 3 4</initial>				

The black square (■) indicates a switch position.

Switch	Pole	Operation b	y switch	Remarks		
SW11 1st digit address setting SW12 2nd degit address setting	otary switch	SW12 SW11 SW12 Address sett remote continuation of the continuati	ting should be done when network roller (PAR-F25MA) is being used.	Address board Address can be set while the unit is stopped. <initial setting=""> SW12 SW11 SW12 SW11 SW12 SW11 SW12 SW11 SW12 SW11 SW12 SW11 SW12 SW11 SW12 SW11 SW12 SW12</initial>		
SW14 Connection No. setting	Rotary switch	1/2/0/2	witch to be used when the indoor ted with R2, R3 series outdoor	Address board <initial setting=""> SW14 SW14</initial>		
SW/5 Voltage Selection		set the volta	used at the 230V or 240V area, ge to 240V. used at the 220V, set the voltage	Address board <initial setting=""> 220V 240\</initial>		

DISASSEMBLY PROCEDURE

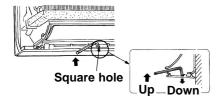
PKFY-P32VGM, PKFY-P40VGM, PKFY-P50VGM

OPERATION PROCEDURE

1 REMOVING THE LOWER SIDE OF THE INDOOR UNIT FROM THE INSTALLATION PLATE

- (1) Remove the left / right corner box of the indoor unit.
- (2) Hold and pull down the lower and both ends of the indoor unit, and remove the ▼ section from the square hole.
 (Refer to Figure 2.1)
 - Or remove the front panel and push the ▼ section down by using alankey ,etc. from the front side. (Refer to Figure 2.2).
- (3) Unhook the top of the indoor unit from the back plate catch.

(Figure 2.2)

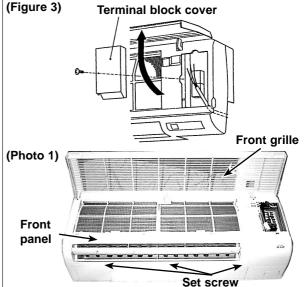


2 REMOVING THE FRONT PANEL

- (1) Open the front grille.
- (2) Remove the terminal block cover with a screw.
- (3) Remove the screw 3 caps then remove the set 3 screws.
- (4) After removing the lower side of the front panel a little, remove it as pulling toward upper.

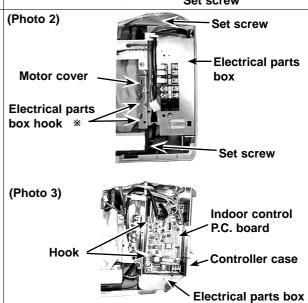
(Figure 2.1) Hook (Figure 2.1) Square hole

PHOTOS & ILLUSTRATION



3 REMOVING THE INDOOR CONTROLLER BOARD

- (1) Remove the terminal block cover.
- (2) Remove the front panel. (See Photo 1)
- (3) Remove the electrical parts box (2 screws).
- (4) Remove the electrical parts box cover (1 screw).
- (5) Disconnect the connector on the indoor controller board and remove the controller board by pulling up the hook of the controller case.
 - * For a smooth work, hang the side hooks of the electrical parts box on the hook of the motor cover. (See Photo 3)

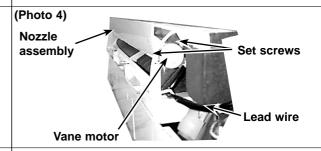


OPERATION PROCEDURE

4 REMOVING THE VANE MOTOR

- (1) Disconnect the connector CN6V on the indoor controller board.
- (2) Remove the 2 screws of the vane motor, disconnect the lead wire and remove the vane motor from the shaft.

PHOTOS & ILLUSTRATION



5 REMOVING THE THERMISTOR

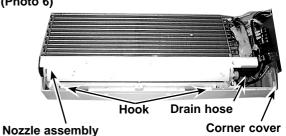
- (1) Removing the room thermistor TH21
 - ① Disconnect the connector CN20<red> on the indoor controller board.
 - ② Remove the room thermistor from the holder.
- (2) Removing the liquid pipe thermistor TH22
 - ① Disconnect the connector CN21<white> on indoor controller board.
 - ② Remove the liquid pipe thermistor with set to the pipe.
- (3) Removing the gas pipe thermistor TH23
 - ① Disconnect the connector CN29<black> on the indoor controller board.
 - ② Remove the gas pipe thermistor with set to the pipe.

(Photo 5) Gas pipe Liquid thermistor thermistor Room thermistor **Electrical** parts box

6 REMOVING THE NOZZLE ASSEMBLY

- (1) Disconnect the connector CN6V on the indoor controller hoard
- (2) Disconnect the lead wire of the vane motor.
- (3) Remove the corner cover.
- (4) Pull the drain hose out from the nozzle assembly.
- (5) Unhook the hook of the lower nozzle assembly and pull the nozzle assembly toward you, then remove the nozzle assembly by sliding it down.

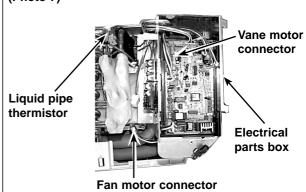
(Photo 6)



7 REMOVING THE ELECTRICAL PARTS BOX

- (1) Remove the terminal block cover.
- (2) Remove the front panel. (See Photo 1)
- (3) Disconnect the vane motor connector.
- (4) Disconnect the fan motor connector from the fan motor.
- (5) Remove the liquid/gas pipe thermistor. (See Photo 5)
- (6) Remove the electrical parts box (2 screws).

(Photo 7)

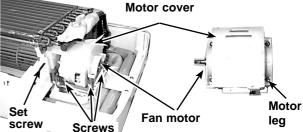


8 REMOVING THE FAN MOTOR

- (1) Remove the terminal block cover.
- (2) Remove the front panel. (See Photo 1)
- (3) Remove the electrical parts box. (See Photo 7)
- (4) Remove the nozzle assembly. (See Photo 6)
- (5) Remove the fan motor leg fixing 3 screws.
- (6) Unscrew the set screws using by alankey and remove it by sliding the fan motor to right.
- (7) Remove the 4 screws and remove the motor cover from the fan motor leg.

(Photo 8)

(Photo 9)



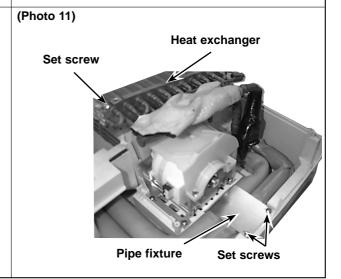
9 REMOVING THE LINE FLOW FAN

- (1) Remove the terminal block cover.
- (2) Remove the front panel. (See Photo 1)
- (3) Remove the electrical parts box. (See Photo 7)
- (4) Remove the nozzle assembly. (See Photo 6)
- (5) Remove the fan motor. (See Photo 8)
- (6) Remove the pipe fixture with 2 screws. (See Photo 11)
- (7) Remove the left / right screws of the heat exchanger and pull the left-hand side up.
- (8) Remove the 2 screws by sliding it toward you remove the fixture (fixing bearing).
 - * When the fan is hard to remove, remove the fan motor first.
 - * When resetting the fan to the fan motor, locate and fix the shaft after installing the fan.

(Photo 10) Heat exchanger Set screws Fixture (fixing bearing)

10 REMOVING THE HEAT EXCHANGER

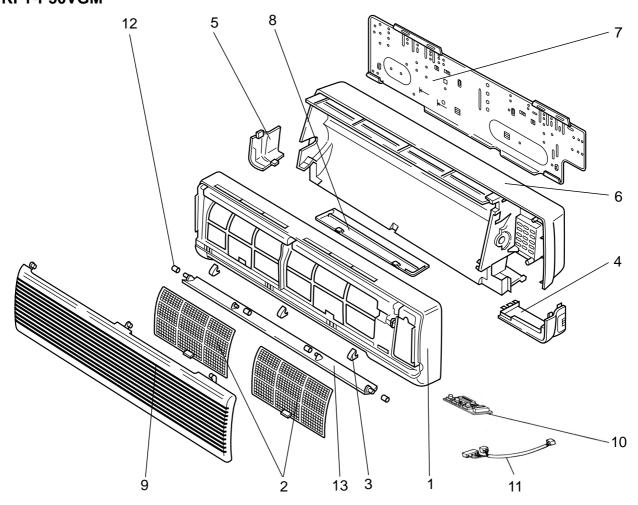
- (1) Remove the terminal block cover.
- (2) Remove the front panel. (See Photo 1)
- (3) Remove the electrical parts box. (See Photo 7)
- (4) Remove the corner box.
- (5) Remove the nozzle assembly. (See Photo 6)
- (6) Remove the 2 screws and the pipe fixture.
- (7) Remove the 2 screws and heat exchanger.



PARTS LIST (non-RoHs compliant)

PKFY-P32VGM PKFY-P40VGM PKFY-P50VGM

STRUCTURAL PARTS

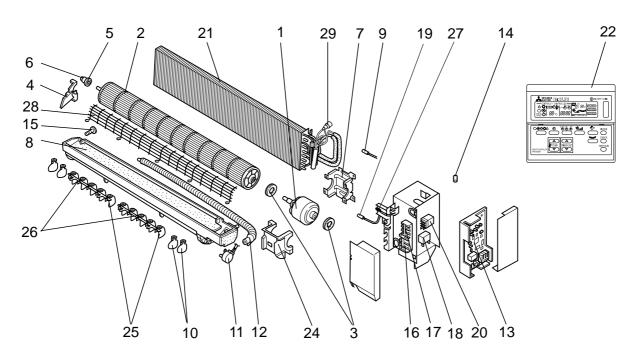


No.	Parts No.	Parts Name	Specifications	PKFY-P32VGM PKFY-P40VGM PKFY-P50VGM	Remarks (Drawing No.)	Wiring Diagram Symbol	Recom- mended Q'ty
1	R01 89Y 651	FRONT PANEL		1			
2	R01 A16 500	AIR FILTER		2			
3	R01 07Y 096	SCREW CAP		3			
4	R01 10Y 658	CORNER COVER		1			
5	R01 08Y 658	CORNER COVER		1			
6	R01 07Y 635	BOX ASSEMBLY		1			
7	R01 07Y 808	BACK PLATE		1			
8	R01 07Y 623	UNDER COVER		1			
9	R01 07Y 691	FRONT GRILLE		1			
10	T7W B01 294	ADDRESS BOARD		1			
11	T7W 85Y 304	ADDRESS CABLE		1			
12	R01 07Y 092	VANE SLEEVE		1			
13	R01 07Y 002	AUTO VANE		1			

PARTS LIST (non-RoHs compliant)

PKFY-P32VGM PKFY-P40VGM PKFY-P50VGM

ELECTRICAL PARTS



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

No.	Parts No.	Parts Name	Specifications	PKFY-			Remarks	Wiring	Recom-
				P32VGM	P40VGM	P50VGM	(Drawing No.)	Diagram Symbol	mended Q'ty
1	T7W A01 762	FAN MOTOR		1	1	1		MF	
2	R01 07Y 114	LINE FLOW FAN		1	1	1			
3	R01 07Y 105	RUBBER MOUNT		2	2	2			
4	R01 07Y 106	BEARING SUPPORT		1	1	1			
5	R01 005 103	SLEEVE BEARING		1	1	1			
6	R01 07Y 102	BEALING MOUNT		1	1	1			
7	R01 07Y 130	MOTOR SUPPORT		1	1	1			
8	R01 07Y 530	NOZZLE ASSY		1	1	1			
9	R01 89Y 202	GAS PIPE THERMISTOR		1	1	1		TH23	
10	R01 09Y 038	GUIDE VANE		4	4	4			
11	R01 89Y 223	VANE MOTOR		1	1	1		MV	
12	R01 07Y 527	DRAIN HOSE		1	1	1			
13	T7W E02 310	CONTROLLER BOARD		1	1	1		I.B	
14	T7W 520 239	FUSE		1	1	1		FUSE <i.b></i.b>	
15	R01 07Y 524	DRAIN PLAG		1	1	1			
16	T7W 521 716	TERMINAL BLOCK	3P	1	1	1		TB2	
17	T7W E00 716	TERMINAL BLOCK		1	1	1		TB5	
18	R01 588 255	RUN CAPACITOR 2		1	1	1		C1	
19	R01 KL5 202	LIQUID PIPE THERMISTOR		1	1	1		TH22	
20	T7W A00 260	POWER TRANS		1	1	1		Т	
	R01 A03 480	HEAT EXCHANGER		1					
21	R01 A04 480	HEAT EXCHANGER			1				
	R01 A05 480	HEAT EXCHANGER				1			
22	T7W B00 713	REMOTE CONTROLLER	PAR-F25MA	1	1	1			
23	T7W A00 305	CORD REMOTE CONTROLLER	10m	1	1	1			
24	R01 07Y 135	MOTOR COVER		1	1	1			
25	R01 07Y 038	GUIDE VANE		10	10	10			
26	R01 07Y 059	ARM		2	2	2			
27	R01 18J 202	ROOM THERMISTOR		1	1	1		TH21	
28	T7W A00 675	FAN GUARD		1	1	1			
29	R01 22A 401	LINEAR EXPANSION VALVE		1	1	1		LEV	



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