Changes for the Better



CE

No. OC313 REVISED EDITION-A

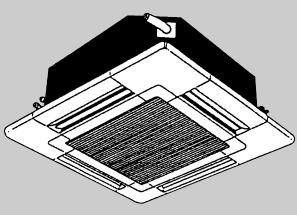
TECHNICAL & SERVICE MANUAL



R410A / R407C / R22

- Indoor unit [Model names] PLFY-P32VAM-E PLFY-P40VAM-E PLFY-P50VAM-E PLFY-P63VAM-E PLFY-P80VAM-E PLFY-P100VAM-E
- PLFY-P125VAM-E

[Service Ref.] PLFY-P32VAM-E.UK PLFY-P40VAM-E.UK PLFY-P50VAM-E.UK PLFY-P63VAM-E.UK PLFY-P80VAM-E.UK PLFY-P100VAM-E.UK PLFY-P125VAM-E.UK



INDOOR UNIT

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Revision: • " 10. PARTS LIST " has been modified.

Please void OC313

Page	Revise point	Service Ref.	Incorrect	Correct
28	10. PART LIST FUNCTIONAL PARTS No.10 MOTOR CAP	PLFY-P32VAM-E.UK PLFY-P40VAM-E.UK	_	S70 E50 129
30	10. PART LIST FUNCTIONAL PARTS No.7 POWER BOARD	PLFY-P50VAM-E.UK PLFY-P63VAM-E.UK	S70 E20 313	S70 E02 313
31	10. PART LIST FUNCTIONAL PARTS No.1 DRAIN PAN	PLFY-P100VAM-E.UK PLFY-P125VAM-E.UK	S70 E00 529	S70 E01 529

1 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 during installation indoors with keep 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 enter, that can cause deterioration of refrigerant oil etc.

[1] Cautions for service

After recovering the all 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.

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.

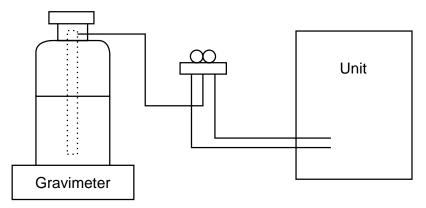
Use a vacuum pump with a reverse flow check valve.

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

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

[2] Refrigerant recharging

- (1) Refrigerant recharging process
 - Direct 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.

[3] 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.	
0	Refrigerant cylinder.	·For R407C ·Top of cylinder (Brown)
		·Cylinder with syphon
8	Refrigerant recovery equipment.	

Cautions for units utilizing refrigerant R410A

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 during installation indoors and keep both ends of the piping sealed until just before brazing. (Leave elbow joints, etc. in their packaging.)

If dirt, dust or moisture enter into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

Use ester oil, ether oil or alkylbenzene oil (small amount) as the refrigerant oil applied to flares and flange connections.

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

Charge refrigerant from liquid phase of gas cylinder.

If the refrigerant is charged from gas phase, composition change may occur in refrigerant and the efficiency will be lowered.

Do not use refrigerant other than R410A.

If other refrigerant (R22 etc.) is used, chlorine in refrigerant can cause deterioration of refrigerant oil etc.

Use a vacuum pump with a reverse flow check valve.

Vacuum pump oil may flow back into refrigerant cycle and that can cause deterioration of refrigerant oil etc.

Use the following tools specifically designed for use with R410A refrigerant.

The following tools are necessary to use R410A refrigerant.

Tools for R410A				
Gauge manifold	Flare tool			
Charge hose	Size adjustment gauge			
Gas leak detector	Vacuum pump adaptor			
Torque wrench	Electronic refrigerant			
	charging scale			

Keep the tools with care.

If dirt, dust or moisture enter into refrigerant cycle, that can cause deterioration of refrigerant oil or malfunction of compressor.

Do not use a charging cylinder.

If a charging cylinder is used, the composition of refrigerant will change and the efficiency will be lowered.

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

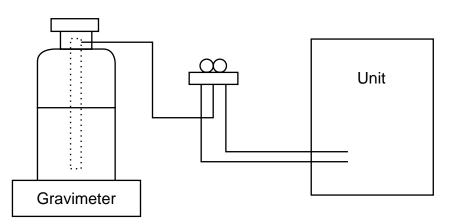
[1] Cautions for service

- (1) Perform service after collecting the refrigerant left in unit completely.
- (2) Do not release refrigerant in the air.
- (3) After completing service, charge the cycle with specified amount of refrigerant.
- (4) When performing service, install a filter drier simultaneously. Be sure to use a filter drier for new refrigerant.

[2] Additional refrigerant charge

When charging directly from cylinder

- · Check that cylinder for R410A on the market is syphon type.
- · Charging should be performed with the cylinder of syphon stood vertically. (Refrigerant is charged from liquid phase.)



[3] Service tools

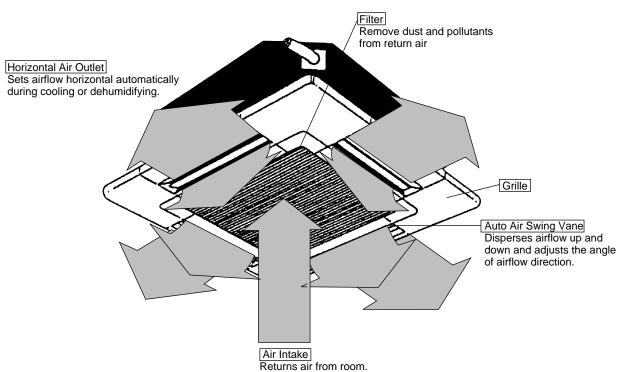
Use the below service tools as exclusive tools for R410A refrigerant.

No.		Specifications			
1	Gauge manifold	·Only for R410A			
		·Use the existing fitting specifications. (UNF1/2)			
		·Use high-tension side pressure of 5.3MPa·G or over.			
2	Charge hose	·Only for R410A			
		·Use pressure performance of 5.09MPa·G or over.			
3	Electronic scale				
4	Gas leak detector	·Use the detector for R134a, R407C or R410A.			
5	Adaptor for reverse flow check	·Attach on vacuum pump.			
6	Refrigerant charge base				
0	Refrigerant cylinder	·Only for R410A Top of cylinder (Pink)			
		Cylinder with syphon			
8	Refrigerant recovery equipment				

PART NAMES AND FUNCTIONS

Indoor Unit

2

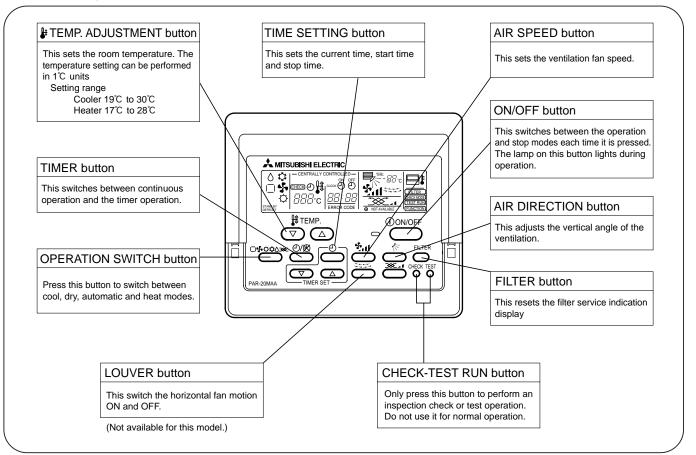


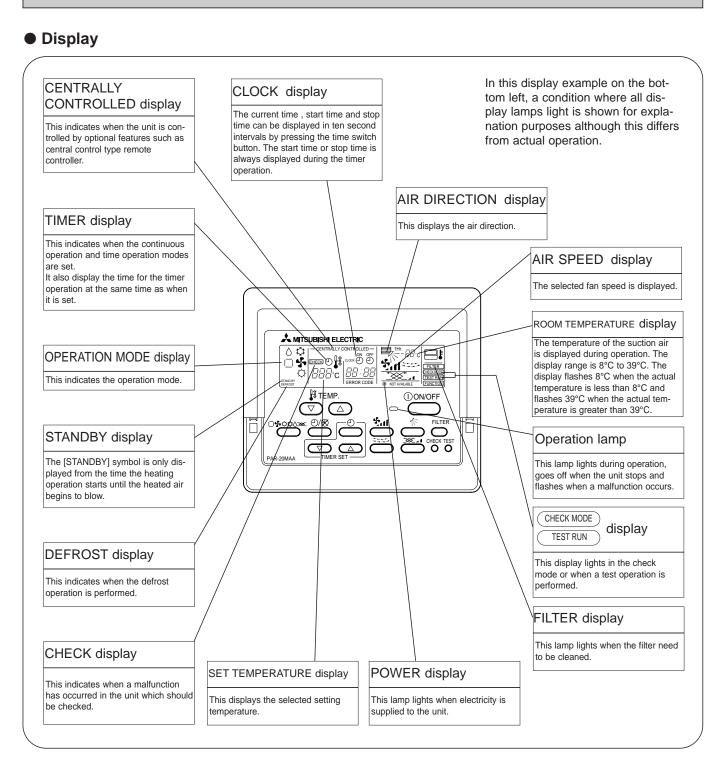
Remote controller

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

Operation buttons

Note : This figure is PAR-20MAA. Refer to each remote controller manual for the details.





Caution

- Only the Power display lights when the unit is stopped and power supplied to the unit.
- When the central control remote control unit, which is sold separately, is used the ON-OFF button, operation switch button and # TEMP. adjustment button do not operate.
- "NOT AVAILABLE" is displayed when the Air speed button is 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 "H0" is displayed on the room temperature indication (For max. 2minutes). Please wait until this "H0" indication disappear then start the operation.

SPECIFICATIONS

3-1. Specifications

3

Item				PLFY-P32VAM-E.UK	PLFY-P40VAM-E.UK	PLFY-P50VAM-E.UK	PLFY-P63VAM-E.UK		
	Powe	er	V∙Hz		Single phase 220-230-240V 50Hz Single phase 220V 60Hz				
Cod	oling ca	pacity	kW	3.6	4.5	5.6	7.1		
Hea	ating ca	apacity	kW	4.0	5.0	6.3	8.0		
ristic		Cooling	kW	0.12	0.	14	0.16		
Electric characteristic	Input	Heating	kW	0.12	0.	14	0.16		
ric châ	Current	Cooling	А	0.59	0.	68	0.78		
Elect	Current	Heating	А	0.59	0.	68	0.78		
(m	Exteric unsell sy		_	Unit : Galvanized sheets	with gray heat insulation	Grills : ABS resin Mu	unsell<0.70Y 8.59/0.97>		
		Height	mm		258-	<30>			
Dim	ensions	Width	mm	840<950>					
		Depth	mm	840<950>					
He	at exch	anger	_		Cros	ss fin			
	Fan	K No		Turbo fan X 1					
F a	Air flo	w % 3	m³/min	14-13-12-11	16-14	18-16-15-14			
n n	Exte static p		Ра		(0			
		motor tput	kW		0.0)70			
	Insula	tor	_		Polyethyl	ene sheet			
	Air filt	er	_		PP honey of	comb fabric			
	Pipe	Gas side	ømm(in.)	ϕ 12.7(1/2") ϕ 12.7(1/2") / ϕ 15.88(5/8")		φ12.7(1/2") / φ15.88(5/8") (Compatible)	<i>ф</i> 15.88(5/8")		
dim	ensions	Liquid side	ømm(in.)	¢6.35	5(1/4")	ø6.35(1/4")/ø9.52(3/8") (Compatible)	<i>φ</i> 9.52(3/8")		
Uni	t drain pi	pe size	ømm		O.D.32 (PVC pipe	VP-25 connectable)			
No	ise lev	el *3	dB	31-29-28-27	32-30	-28-27	33-31-29-28		
Pro	oduct w	/eight	kg		22<5>		24<5>		

Note 1. Rating conditions(JIS B 8616) Cooling : Indoor : D.B. 27°C W.B. 19.0°C outdoor : D.B. 35°C Heating : Indoor : D.B. 20°C

outdoor: D.B. 7°C W.B. 6°C

Note 2. The number indicated in < > is just for the grille.

* 3. Air flow and the noise level are indicated as High-Medium1-Medium2-Low.

		Item		PLFY-P80VAM-E.UK	PLFY-P100VAM-E.UK PLFY-P125VAM-E.U			
Power V•Hz		V•Hz	Single phase 220-230-240V 50Hz Single phase 220V 60Hz					
Cod	oling ca	apacity	kW	9.0	11.2		14.0	
Hea	ating ca	apacity	kW	10.0	12.5		16.0	
eristic	Input	Cooling	kW	0.18	0.30		0.34	
Electric characteristic	Input	Heating	kW	0.18	0.30		0.34	
ric ch	Current	Cooling	А	0.86	1.43		1.64	
Elect	Guilent	Heating	А	0.86	1.43		1.64	
(m	Exteric unsell sy			Unit : Galvanized sheets with gra	y heat insulation	Grills : ABS res	in Munsell<0.70Y 8.59/0.97>	
		Height	mm	258<30>		298<	30>	
Dim	ensions	Width	mm	840<950>				
		Depth	mm	840<950>				
He	at exch	anger	—	Cross fin				
	Fan	× No		Turbo fan X 1				
F a	Air flo	w % 3	m³/min	22-20-18-16	27-25-22-19 29-27		29-27-24-21	
n	Exte static p		Ра		0			
		motor tput	kW	0.070	0.120			
	Insula	tor			Polyethylene	e sheet		
	Air filt	er			PP honey con	nb fabric		
	Pipe	Gas side	ømm(in.)	15.88(5/8")		<pre> φ15.88(5/8") / (Compatible) </pre>	<i>ф</i> 19.05(3/4")	
dim	ensions	Liquid side	ømm(in.)		9.52(3/8	3")		
Uni	it drain pi	pe size	ømm	J.O	0.32 (PVC pipe VP	-25 connectab	le)	
No	ise lev	el *3	dB	37-35-32-30	41-39-36	-33	43-41-38-35	
Pro	oduct w	veight	kg	24<5>		32<	5>	

Note 1. Rating conditions(JIS B 8616) Cooling : Indoor : D.B. 27°C W.B. 19.0°C outdoor : D.B. 35°C Heating : Indoor : D.B. 20°C

outdoor: D.B. 7°C W.B. 6°C

Note 2. The number indicated in < > is just for the grille.

* 3. Air flow and the noise level are indicated as High-Medium1-Medium2-Low.

3-2. Electrical parts specifications

Model Parts name	Symbol	PLFY-P32VAM-E.UK	PLFY-P40VAM-E.UK	PLFY-P50VAM-E.UK	PLFY-P63VAM-E.UK		
Room temperature thermistor	TH21	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.4kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ					
Liquid pipe thermistor	TH22	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.4kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ					
Gas pipe thermistor	TH23	Resistance 0°C/15	ökΩ, 10℃/9.6kΩ, 20℃/6	.3kΩ, 25℃/5.4kΩ, 30℃	/4.3kΩ, 40°C/3.0kΩ		
Fuse (Indoor controller board)	FUSE		250V	6.3A			
Fan motor			6-pole OU ⁻ D17B6	TPUT 70W P70MS			
(with inner-thermostat)	MF	Inner	thermostat OFF 130 ON 90°C				
Fan motor capacitor	С	3.0μ F × 440V					
Vane motor	MV		MSBPC DC12V 30				
Drain-up mechanism	DP		PLD-122 INPUT 12/10				
Drain sensor	DS	Thermistor resistance (Ͻ°C /6kΩ, 10°C /3.9kΩ, 20°	°C /2.6kΩ, 25°C /2.2kΩ, 30	0°C/1.8kΩ, 40°C/1.3kΩ		
Linear expansion valve	LEV	DC12V S	Stepping motor drive pol	rt dimension 5.2Ω (0~20 DYGME	000pulse)		
Electric heater (Condensation proof)	H2	240V 21.8W					
Power supply terminal block	TB2	(L, N, ⊕) Rated to 330V 30A ≭					
Transmission terminal block	TB5	(M1, M2, S) Rated to 250V 20A *					
MA remote controller terminal block	TB15		(1, 2) Rated to	o 250V 10A *			

* Note : Refer to WIRING DIAGRAM for the supplied voltage.

Model Parts name	Symbol	PLFY-P80VAM-E.UK	PLFY-P100VAM-E.UK	PLFY-P125VAM-E.UK		
Room temperature thermistor	TH21	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.4kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ				
Liquid pipe thermistor	TH22	Resistance 0°C/15kΩ, 10°C	Resistance 0°C/15kΩ, 10°C/9.6kΩ, 20°C/6.3kΩ, 25°C/5.4kΩ, 30°C/4.3kΩ, 40°C/3.0kΩ			
Gas pipe thermistor	TH23	Resistance 0°C/15kΩ, 10°C	C/9.6kΩ, 20℃/6.3kΩ, 25℃/5.4k	Ω, 30°C/4.3kΩ, 40°C/3.0kΩ		
Fuse (Indoor controller board)	FUSE		250V 6.3A			
Fan motor		6-pole OUTPUT 70W D17B6P70MS	6-pole OUT D176P	PUT 120W 120MS		
(with inner-thermostat)	MF	Inner-thermostat OFF 130℃ ± 5℃ ON 90℃ ± 20℃				
Fan motor capacitor	С	$3.5\mu F \times 440 V$ $7.0\mu F \times 440 V$				
Vane motor	MV		MSBPC20M04 DC12V 300Ω/phase			
Drain-up mechanism	DP		PLD-12230ME-1 INPUT 12/10.8W 24 ℓ /Hr			
Drain sensor	DS	Thermistor resistance 0°C/6kΩ,	10°C/3.9kΩ, 20°C/2.6kΩ, 25°C/2	2.2kΩ, 30℃/1.8kΩ, 40℃/1.3kΩ		
Linear expansion valve	LEV	DC12V Stepping	motor drive port dimension 5.2 EDM-80YGME	2Ω (0~2000pulse)		
Electric heater (Condensation proof)	H2		240V 21.8W			
Power supply terminal block	TB2	(L, N, ⊕) Rated to 330V 30A ×				
Transmission terminal block	TB5	(M1, M2, S) Rated to 250V 20A *				
MA remote controller terminal block	TB15		(1, 2) Rated to 250V 10A *			

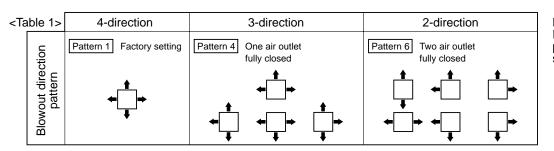
* Note : Refer to WIRING DIAGRAM for the supplied voltage.

4 4-WAY AIR FLOW SYSTEM

4-1. Placement of the air outlets

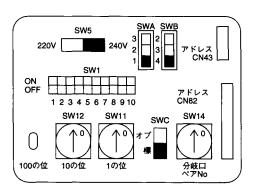
• For this grille, the blowout direction comes in 11 patterns. Also, by setting the dip switches (SWA and SWB) on the circuit board to the appropriate settings, you can adjust the air flow and speed. Select the settings from Table according to the location in which you want to install the unit.

1) Decide on the pattern of the airflow direction.



Note1. For 3 and 2-directional, please use the air outlet shutter plate (option). According to the number of air outlets and height of the ceiling to install the unit, be sure to set the up switches (SWA, SWB) on the circuit board to the appropriate setting.

Correspondence of ceiling heights to numbers of air outlets.



PLFY-P32·P40·P50·P63·P80VAM-E

SWA	1	2	3
SWB	Standard	High ceiling ①	High ceiling 2
4 direction	2.7m	3.0m	3.5m
3 direction	3.0m	3.3m	3.5m
2 direction	3.3m	3.5m	_

PLFY-P100-P125VAM-E

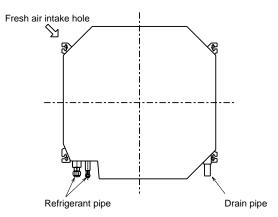
SWA	0	2	3
SWB	Standard	High ceiling ①	High ceiling 2
4 direction	3.2m	3.6m	4.2m
3 direction	3.6m	4.0m	4.2m
2 direction	4.0m	4.2m	—

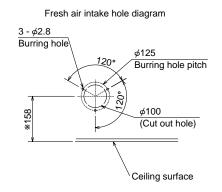
4-2. Fresh air intake (Installation of site)

• At the time of installation, use the duct holes (cutout) located at the positions shown in following diagram, as and when required.

Note :

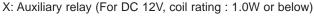
Be sure to add135mm to the dimensions in the diagram that are marked with a "*" if installing a multi function casement (Option)

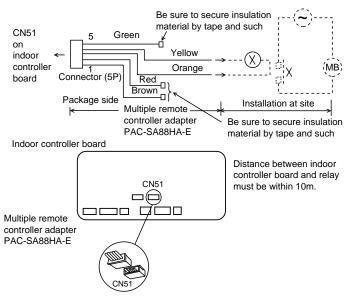




4-3. Interlocking operation method with duct fan (Booster fan)

- Whenever the indoor unit is operating, the duct fun also operates.
 - (1)Connect the optional multiple remote controller adapter(PAC-SA88HA-E)to the connector CN51 on the indoor controller board.
 - (2)Drive the relay after connecting the 12V DC relay between the Yellow and Orange connector lines.
 - MB: Electromagnetic switch power relay for duct fan.

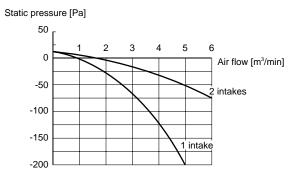




4-4. Fresh air intake amount & static pressure characteristics

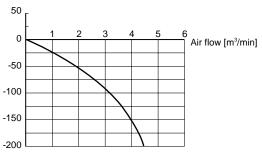
□ PLFY-P32 · P40 · P50 · P63 · P80VAM-E

Multifunction casement + Standard filter

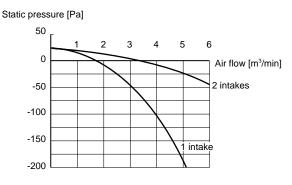


Taking air into the unit

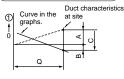




Multifunction casement + High efficiency filter



How to read curves



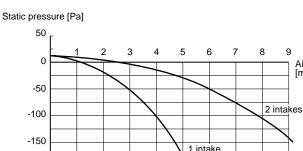


Q…Planned amount of fresh air intake <m³/min>

- A···Static pressure loss of fresh air intake duct system with air flow amount Q <Pa> B···Forced static pressure at air condi-
- tioner inlet with air flow amount Q <Pa>
- C···Static pressure of booster fan with air flow amount Q <Pa> D···Static pressure loss increase
- amount of fresh air intake dust system for air flow amount Q <Pa> E···Static pressure of indoor unit with air
- flow amount Q <Pa>
- Qa…Estimated amount of fresh air intake with out D <m³/min>

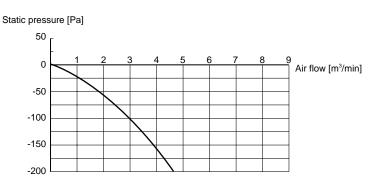
2 PLFY-P100 · P125VAM-E

Multifunction casement + Standard filter



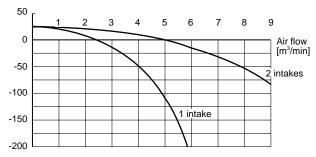
Taking air into the unit

-200



Multifunction casement + High efficiency filter

Static pressure [Pa]



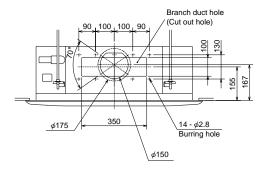
Air flow [m³/min]

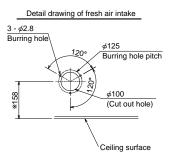
OUTLINES AND DIMENSIONS

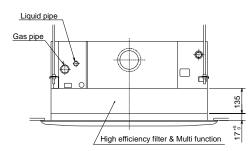
PLFY-P32VAM-E.UK PLFY-P40VAM-E.UK PLFY-P50VAM-E.UK PLFY-P63VAM-E.UK

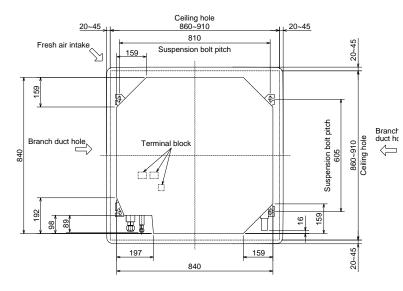
PLFY-P80VAM-E.UK PLFY-P100VAM-E.UK PLFY-P125VAM-E.UK

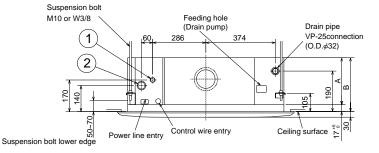
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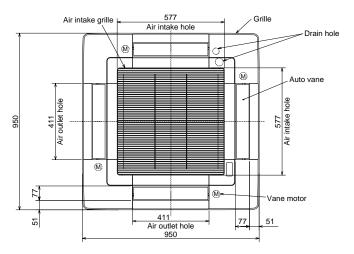












Models	① Liquid Pipe	② Gas Pipe	Α	В
PLFY-P32VAM-E.UK	¢6.35	140 7		
PLFY-P40VAM-E.UK		¢12.7		
PLFY-P50VAM-E.UK	φ6.35 / φ9.52 (Compatible)	φ12.7 / φ15.88 (Compatible)	241	258
PLFY-P63VAM-E.UK		¢15.88		
PLFY-P80VAM-E.UK		φ15.66		
PLFY-P100VAM-E.UK	φ9.52 -	¢15.88/¢19.05	281	298
PLFY-P125VAM-E.UK		(Compatible)	201	230

NOTES :

1. When servicing, electrical parts box may be disassembled. Make the wires loose enough when connecting heater power supply wire, remote controller wire, and indoor/outdoor unit connecting wire

2. Detaching corner panel makes it possible to adjust the height

of body with the grille attached. 3. Caution for attaching optional Muliti function casement and

optional High efficiency filter : 1) Space behind the ceiling shall be high enough as specified in the table below.

P32-P80	400
P100-P125	440

2) Add extra 135mm to the dimensions of * in the figure.

3) Mount both High efficiency filter and Multi function casement together. 4. When connecting branch duct, be sure to insulate the heat.

(Otherwise, it causes dew to from or drop.)

Unit : mm

PLFY-P32VAM-E.UK PLFY-P80VAM-E.UK PLFY-P40VAM-E.UK PLFY-P100VAM-E.UK PLFY-P50VAM-E.UK PLFY-P125VAM-E.UK PLFY-P63VAM-E.UK [LEGEND]

6

* The part name of symbol "I.B" is "SPCB".

		END]										
		BOL		NAME	SYMBOL		NAME	SYI	MBOL			NAME
F	P.B		INDOOR POW	/ER BOARD	С	CAPACITOR(F	AN MOTOR)	A.B		CIRCUIT BO	ARD	
* 1.	.в		INDOOR CON	TROLLER BOARD	MF FAN MOTOR(WITH INNER THERMO.)				SW1	SWITCH	FUN	ICTION SETTING
	[CN25	CONNECTOR	HUMIDIFIER	MV	VANE MOTOR			SW5		VOL	TAGE SELECTION
		CN27		DAMPER	DP	DRAIN PUMP			SW11			RESS SETTING 1ST DIGIT
	[CN32		REMOTE SWITCH	DS	DRAIN SENSC	DR		SW12		ADD	RESS SETTING 2ND DIGIT
		CN41		HA TERMINAL-A	H2	DEW PREVEN	ITION HEATER		SW14		CON	INECTION NO.
	[CN51		CENTRALLY CONTROL	TB2	TERMINAL	POWER SUPPLY		SWA		CEII	LING HEIGHT SELECTOR
		CN52		REMOTE INDICATION	TB5	BLOCK	TRANSMISSION		SWB		DIS	CHARGE OUTLET NUMBER
		SW2	SWITCH	CAPACITY CODE	TB15		MA-REMOTE CONTROLLER				SEL	ECTOR
		SW3		FUNCTION SETTING	TH21 THERMISTOR		ROOM TEMP.DETECTION		SWC		OPT	ION SELECTOR
		SW4		MODEL SELECTION			(0°C/15kΩ,25°C/5.4kΩ)					
		ZNR	VARISTOR		TH22		PIPE TEMP.DETECTION/LIQUID					
	- F	FUSE	FUSE(6.3A/25				(0°C/15kΩ,25°C/5.4kΩ)					
		F.C	FAN PHASE C	1	TH23		PIPE TEMP.DETECTION/GAS					
		X1	AUX.RELAY	DRAIN WATER LIFTING-UP MACH.			(0°C/15kΩ,25°C/5.4kΩ)					
	- L	X4		FAN MOTOR	LEV	LINEAR EXPA	NSION VALVE					
	- L	LED1	POWER SUPP	· · · ·	-							
		LED2	POWER SUPP	PLY(I.B)]							
		on of T Control	TB2,TB5,TB1 l box) C	5,C.	MV MV M +5 +5 + -5 -1 2 3 6 -1 2 3 6		H2 ML 10					POWER SUPPLY -/N 220-240V 50Hz 220V 60Hz 0,0,0 BREAKER 0 (15A) 2 FUSE(15A)
						~ >	F					
		//	TB5 TB2	2								
		//					(AC220	240\/)	(DC13.1	P.B		
							(DP) (AC220 CNSK)	RED)	CN2S (\		=	INDOOR UNIT
								TR.	ANS	_		
		TB1	5					las	ε	2		
	//		1					القال				
			· /			_ _					_	
						RED R	BLK	BLK				
					POWER				<u>L</u>		MU	
			,	FAN 135	(RED)		(BLU) (RED)	1 CN: (WF	2D HT)	LED1 M-NE		BLU MI S (SHIELD) S (SHIELD) S (SHIELD) S (SHIELD) S (SHIELD) S (SHIELD)
					X4	_ ↓ ↓			IA N41	(WHT) REMOTE SWITCH		TB15
				FC 🖾	(X4) ZNI	RŽ∣	(XI) OIX1	(//	/HT)	CN32 CN3A (BLU)		DRN O.1. TO MA-REMOTE
					<u> </u>	_↓ ↓	(WHT) LEV	4	L	3 REMOCON	, <u>3</u> +'	
				HUMIDIFIER CN25			(CDN) (MUIT) ON 100					DC8.7-13V
				(WHT)			REMOTE CENTRALLY 6 5 4 3 2	2		LED2		<fig:*1></fig:*1>
				(RED) 21 (GRN) DAMPER VANE	(REI ADD	D) (RE DRESS ADE 11 CN4	D) CN52 CN51 CN51 CN52 CN51			Ť		SW2 SW3
				CN27 CN6V			SW2 SW3 SW4		(WHT) DRAIN	(BLK) (WHT) (GAS LIQUID II	RED)	P32VAM OFF
				21 65432				ON	CN31	CN29 CN21 C	CN20	123456 12345678910
							123456/12345678910 1234	OFF	3 2 1	21 21 2	21	P40VAM OFF
				5		8.	4 6	BLK -	BLK	BLK KK	\vdash	123456
					<i>,</i>		See fig:*1	T T				
ſ		SW5	SWA S						ગે		R	P63VAM OFF
		2 SW	⁴⁰⁰ 3 2 2 3 /1 1 4					DS		TH23 TH22	Ý	P80VAM OFF
0)FF	23456	78910				LEV	03	,	11123 11122	11121	123456 P100VAM OF 123456
	0	SW1	SW11 SV]						P125VAM OF 123456
ЗR	RD.DIG	GIT 2ND.D	IGIT 1ST.DIGIT		ED on indo	or controller	board for service					
\mathcal{L}								00				
					Mark	Meaning				1010		
					LED1 M	lain power sup	poply Main power supply Indoc	r unit	:220-2	40V)		
				+				mote	contro	ller		
		TES			LED2 MA	wer supply for -Remote cont	roller on + lamp is lit					
I	ΨŪ	150						_				

1.At servicing for outdoor unit, always follow the wiring diagram of outdoor unit.

2.In case of using MA-Remote controller, please connect to TB15.(Remote controller wire is non-polar.)3.In case of using M-NET, please connect to TB5.(Transmission line is non-polar.)

4.Symbol[S] of TB5 is the shield wire connection.

5.Symbols used in wiring diagram above are, ©:terminal block, III:connecter.
6.The setting of the SW2 dip switches differs in the capacity. For the detail, refer to the table below.

7.Please set the switch SW5 according to the power supply voltage.

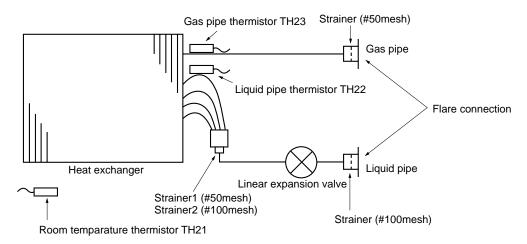
Set SW5 to 240V side when the power supply is 230 and 240 volts.

When the power supply is 220 volts, set SW5 to 220V side.

PLFY-P32VAM-E.UK PLFY-P40VAM-E.UK PLFY-P50VAM-E.UK PLFY-P63VAM-E.UK

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PLFY-P80VAM-E.UK PLFY-P100VAM-E.UK PLFY-P125VAM-E.UK

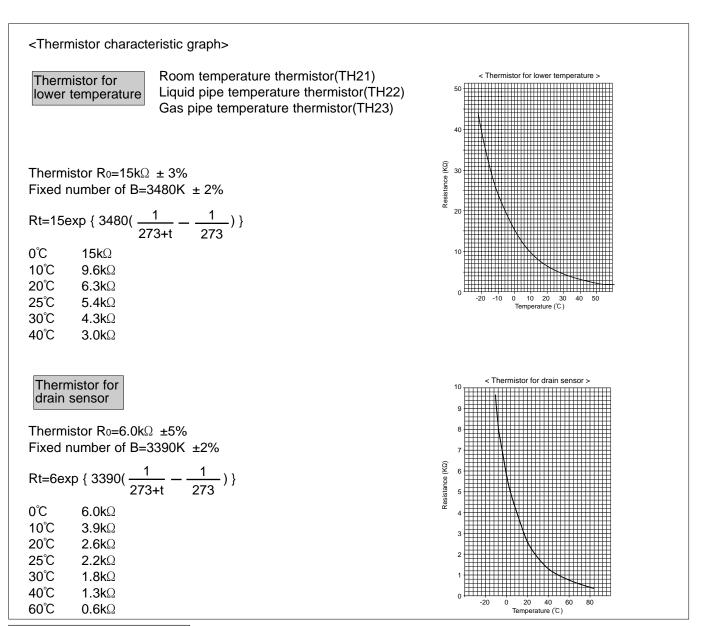


Capacity	PLFY-P32, P40VAM-E	PLFY-P50VAM-E	PLFY-P63, P80VAM-E	PLFY-P100, P125VAM-E
Gas pipe	ø12.7(1/2")	ø12.7(1/2'')/ø15.88(5/8'')	φ15.88(5/8'')	\$\phi 15.88(5/8'')/\$\phi 19.05(5/8'')\$
Liquid pipe	<i>φ</i> 6.35(1/4'')	\$\$\phi_6.35(1/4'')\$\$	φ9.52(3/8'')	Ø9.52(3/8'')

8-1. How to check the parts PLFY-P32VAM-E.UK PLFY-P80VAM-E.UK PLFY-P40VAM-E.UK PLFY-P100VAM-E.UK PLFY-P50VAM-E.UK PLFY-P125VAM-E.UK

8

		С	heck points					
			resistance using	g a tester.				
Normal	A	bnormal	Defer to th	7				
4.3kΩ~9.6kΩ	Ор	en or short	Refer to th	e next pag	details.			
			Is using a teste	r.				
Connector			Abnormal					
Red — Yellow								
Red — Blue		000	Open or ch	ort				
Red — Orange	3	0052	Open of she	511				
Red — White								
Measure the resist	ance betwe	en the termina	Is using a teste	r.				
Motor terminal		Normal						
or			/AM-E.UK			Abnormal		
		-			Op	en or short		
VVNite-BlaCK 104.1Ω 41.6Ω								
Disconnect the cor	nector ther	n measure the	resistance valve	e using a t	ester.			
	Nor	mal		Abno	rmal	Refer to the next		
White-Red Yell	low-Brown	Orange-Red	Blue-Brown	Open o	or short	page for the details		
	150kΩ	±10%						
			Is using a teste	r.				
Normal	A	Abnormal						
290Ω Open or short								
			passed since the	he power	supply wa	as intercepted.		
Normal Abnormal								
Normal	I F	Abnormal						
-	Normal Normal 4.3kΩ~9.6kΩ Measure the resista (Surrounding temp Connector Red — Yellow Red — Blue Red — Orange Red — White Measure the resista Motor terminal or Relay connector Red-Black White-Black Disconnect the cor White-Red Yel Measure the resista Measure the resista Normal 290Ω Measure the resista	Normal A $Normal$ A $4.3k\Omega \sim 9.6k\Omega$ Op Measure the resistance betweet (Surrounding temperature 20%) Connector Red — Yellow Red — Blue 3 Red — Orange Red — White 3 Measure the resistance betweet Measure the resistance betweet 3 Measure the resistance betweet Motor terminal or Relay connector 932, P40, Red-Black Measure the connector there Nor 932, P40, Red-Black 1 Disconnect the connector there 1 1 1 Disconnect the connector there 1 1 1 Measure the resistance betweet (Surrounding temperature 20%) 1 1 1 Measure the resistance betweet (Surrounding temperature 20%) 0 0 0 Measure the resistance betweet (Surrounding temperature 20%) 0 0 0 Measure the resistance betweet (Surrounding temperature 20%) 0 0 0 Measure the resistance after 3 0 0 0 Normal A 2 0 0 0	Disconnect the connector then measure the indice (Surrounding temperature $10^{\circ}C \sim 30^{\circ}C$)NormalAbnormal $4.3k\Omega - 9.6k\Omega$ Open or shortMeasure the resistance between the termina (Surrounding temperature $20^{\circ}C \sim 30^{\circ}C$)ConnectorNormalRed — YellowRed — BlueRed — Orange 300Ω Red — White 300Ω Measure the resistance between the terminaMotor terminal or Relay connectorNor PLFY-P.V P32, P40, P50, P63, P80Red-Black 87.2Ω White-Black 104.1Ω Disconnect the connector then measure the terminaMotive the resistance between the terminaMotive the resistance between the terminaMotive the connector then measure the terminaMotive the connector then the measure the terminaMotive the connector then the measure the terminaMormalMormalMormalMormalMormalQue over the resistance between the terminaSurrounding temperature $20^{\circ}C \sim 30^{\circ}C$)NormalAbnormal290QOpen or short	Normal Abnormal $4.3k\Omega - 9.6k\Omega$ Open or short Measure the resistance between the terminals using a tester (Surrounding temperature 20°C ~30°C) Connector Normal Abnormal Red — Yellow Abnormal Red — Orange 300 Ω Open or short Measure the resistance between the terminals using a tester Motor terminal Open or short Measure the resistance between the terminals using a tester Motor terminal Open or short Measure the resistance between the terminals using a tester Motor terminal Normal Measure the resistance between the terminals using a tester P100, P2 Red-Black 87.2 Ω 28.7 Ω White-Black 104.1 Ω 41.6 Ω Disconnect the connector then measure the resistance valve Normal White-Red Yellow-Brown Orange-Red Blue-Brown 150k $\Omega \pm 10\%$ 150k $\Omega \pm 10\%$ Measure the resistance between the terminals using a tester (Surrounding temperature 20°C ~30°C) Normal Abnormal 290 Ω Open or short	Disconnect the connector then measure the resistance using a tester. (Surrounding temperature 10°C ~ 30°C) Normal Abnormal Refer to the next page 4.3kQ~9.6kQ Open or short Refer to the next page Measure the resistance between the terminals using a tester. (Surrounding temperature 20°C ~ 30°C) Connector Normal Red — Yellow Abnormal Abnormal Red — Orange 300Q Open or short Measure the resistance between the terminals using a tester. Motor terminal Red — White Normal Open or short Measure the resistance between the terminals using a tester. Refer to the next page Motor terminal or PLFY-P.VAM-E.UK Relay connector P32, P40, P50, P63, P80 P100, P125 Red-Black 87.2Q 28.7Q White-Black 104.1Q 41.6Q Disconnect the connector then measure the resistance valve using a tester. Open or White-Red Yellow-Brown Orange-Red Blue-Brown Open or Motrmal Abnormal Abnormal Open or 0pen or 150kQ ±10% 0 Open or short Open or 0pen or	Disconnect the connector then measure the resistance using a tester. (Surrounding temperature 10°C ~30°C) Normal Abnormal 4.3kQ-9.6kQ Open or short Refer to the next page for the 4.3kQ-9.6kQ Open or short Measure the resistance between the terminals using a tester. (Surrounding temperature 20°C ~30°C) Connector Normal Abnormal Red — Yellow Red — Blue Red — Orange Red — White Measure the resistance between the terminals using a tester. Measure the resistance between the terminals using a tester. Motor terminal or Relay connector Normal PLFY-P-VAM-E.UK P32, P40, P50, P63, P80 P100, P125 Red-Black of P100, P125 Red-Black Disconnect the connector then measure the resistance valve using a tester. Disconnect the connector then measure the resistance valve using a tester. Mormal Abnormal White-Black 104.1Ω 41.6Ω Open or short Disconnect the connector then measure the resistance valve using a tester. Normal Abnormal White-Red Yellow-Brown Orange-Red Blue-Brown Open or short Disconnect the resistance between the terminals using a tester. (Surrounding temperature 20°C ~30°C) Mormal Abnormal Abnormal		

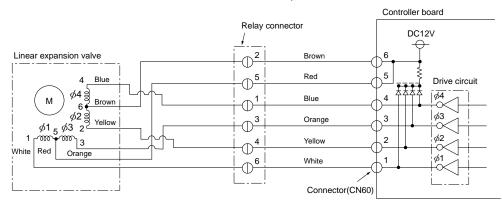


Linear expansion valve

① Operation summary of the linear expansion valve.

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

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

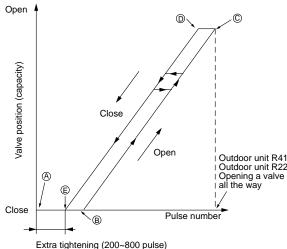


Note : Since the number of the connector at the controller board side and the relay connector are different, follow the color of the lead wire.

<Output pulse signal and the valve operation>

Output	Output								
(Phase)	1	2	3	4					
ø1	ON	OFF	OFF	ON					
ø2	ON	ON	OFF	OFF					
ø3	OFF	ON	ON	OFF					
<i>ø</i> 4	OFF	OFF	ON	ON					

② Linear expansion valve operation



③ Trouble shooting

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

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.
 - 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 moves smoothly, there is no noise or vibration occurring from the linear expansion valves : however, when the pulse number moves from B to B or when the valve is locked, more noise can be heard than in a normal situation.

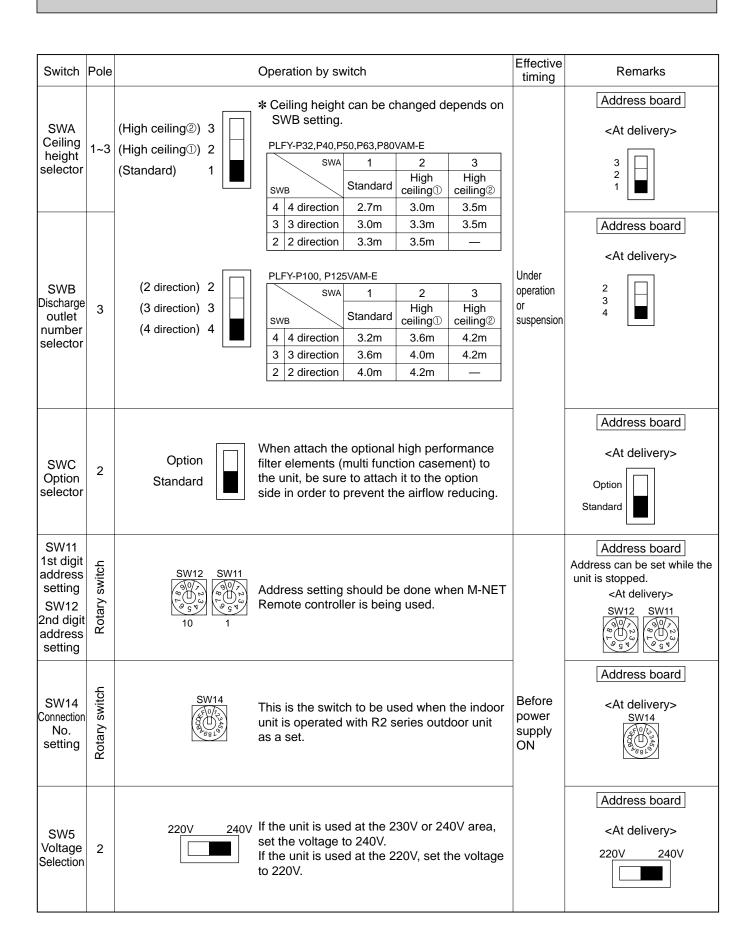
Noise can be detected by placing the ear against the screw driver handle while putting the screw driver tip to the linear expansion valve.

Outdoor unit R410A model : 1400 pulse Outdoor unit R22/R407C model : 2000 pulse Opening a valve all the way

Symptom	Check points	Countermeasures
Operation circuit fail- ure of the micro processor.	Disconnect the connector on the controller board, then connect LED for checking. $0 \ 6 \ 5 \ 4 \ 0 \ 2 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 2 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0$	Exchange the indoor con- troller board at drive circuit failure.
Linear expansion valve mechanism is locked.	Motor will idle and make a ticking noise when the 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 each coil (white-red, yellow- brown, orange-red, blue-brown) 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.	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 is any leaking, detecting temperature of the thermistor will go lower. If the detect- ed temperature is much lower than the tem- perature indicated in the remote controller, it means the valve is not closed all the way. It is not neces- sary to exchange the linear expansion valve, if the leakage is small and not affecting normal operation.</liquid 	If large amount of thermis- tor 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 con- nector.	Disconnect the connector at the controller board, then check the continuity.

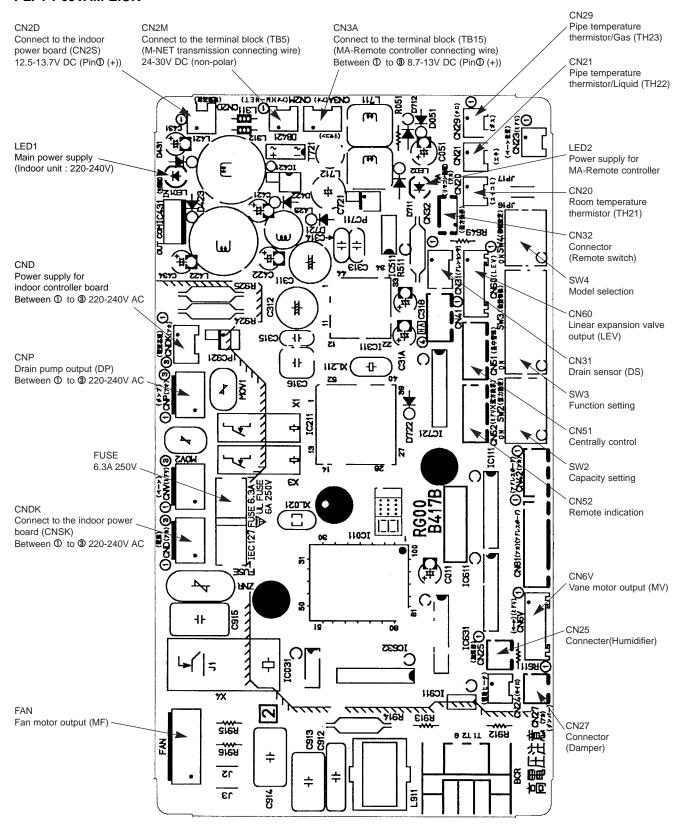
8-2. FUNCTION OF DIP SWITCH

Switch	Dala		unction		Operatior	n by swit	ch	Effective	Remarks			
Switch	Pole	Г	unction		ON		OFF	timing	Remarks			
	1	Thermistor detection>	<room position<="" td="" temperature=""><td>Built-in r</td><td>emote controller</td><td>Indoor</td><td>unit</td><td></td><td>Address board</td></room>	Built-in r	emote controller	Indoor	unit		Address board			
	2	Filter clog	ging detection	Provideo	ł	Not pro	Not provided		<at delivery=""></at>			
	3	Filter clea	ning	2,500hr		100hr						
	4	Fresh air		Effective		Not effe		_	OFF 1 2 3 4 5 6 7 8 9 10			
SW1 Function	5	Switching controller	remote display	Indicatin thermos	ig if the tat is ON	Indicati ON/OF	ing fan operation F	Under	Note :			
setting	6	Humidifie	r control	Always opera	ated while the heat in ON *1	Operated of	depends on the condition *2	suspension	mode.			
	7		et in case of	Low *3		Extra lo	ow *3	-	*2 Heater thermostat ON is operating.			
	8	Heat ther	mostat OFF	Setting a	air flow *3	Depend	ds on SW1-7	-	*3 SW 1-7=OFF, SW 1-8=ON → Setting air flow.			
	9	Auto resta	art function	Effective)	Not effe	ective	-	SW 1-7=ON, SW 1-8=ON → Indoor fan stop.			
	10	Power ON	/OFF by breaker	Effective		Not effe	ective					
		Capacity	SW 2	Capacity	SW 2	Capacity	SW 2		Indoor controller board			
		P32	ON OFF	P63	ON OFF	P125	ON OFF		Set while the unit is off.			
SW2 Capacity			123456		123456		123456	Before	<at delivery=""></at>			
code setting	1~6	P40	ON OFF 1 2 3 4 5 6	P80	ON OFF 0FF 0FF			power supply ON	Set for each capacity.			
		P50	ON OFF 2 3 4 5 6	P100	ON OFF OFF OF							
	1	Heat pum	p / Cooling only	Cooling	only	Heat pu	ump		Indoor controller board			
	2	Louver / h	numidifier *6	Available)	Not ava	ailable		Set while the unit is off. <at delivery=""></at>			
	3	Vane		Available)	Not ava	ailable		ON OFF			
	4	Vane swii	ng function	Available)	Not ava	ailable		1 2 3 4 5 6 7 8 9 10 P32, P40 : SW3-9 = ON SW3-10 = OFF			
SW3 Function	5	Vane hori	zontal angle	Second s	setting	First se	etting	Under	P50~P125 : SW3-9 = OFF SW3-10 = OFF			
setting	6	Vane cooling	limit angle setting *4	Horizonta	al angle	Down E	3, C	suspension	*4 At cooling mode, each angle can be used only 1 hour.			
	7	Changing the expansion va thermostat is		Effective		Not effe	ective		*5 The numerical valve in the parentheses shows the case which the R22 outdoor			
	8	Heat 4de	grees up	Not effect	tive	Effectiv	/e		unit is connected. *6 SW3-2 setting			
	9	Superheat s	etting temperature *5	9(5)degr	ees	6(2)deg	grees		Only for PLFY-P•VAM, SW is used to change whether the humidifier functions or not.			
	10	Sub cool set	ting temperature	15degree	es	10degr	ees		(Fixed the louver function less.)			
SW4 Model Selection (Setting for PLFY series)		In case replacing the indoor controller board, make s factory-preset status, which is shown below.			ire to set	the switch to the	Before power supply ON	Indoor controller board				



8-3. TEST POINT DIAGRAM

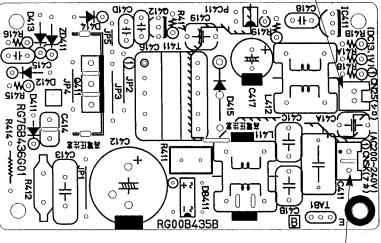
8-3-1. Indoor controller board PLFY-P32VAM-E.UK PLFY-P80VAM-E.UK PLFY-P40VAM-E.UK PLFY-P100VAM-E.UK PLFY-P50VAM-E.UK PLFY-P125VAM-E.UK



8-3-2. Indoor power board

PLFY-P32VAM-E.UK PLFY-P80VAM-E.UK PLFY-P40VAM-E.UK PLFY-P100VAM-E.UK PLFY-P50VAM-E.UK PLFY-P125VAM-E.UK PLFY-P63VAM-E.UK

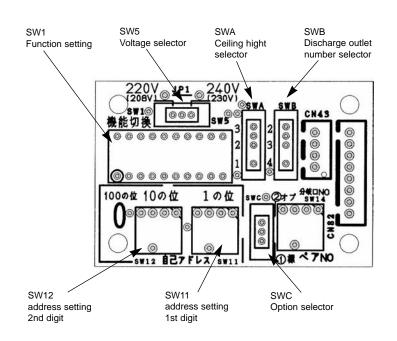
> CN2S Connect to the indoor power board (CN2D) Between ① to ③ 12.6-13.7V DC (Pin① (+))



CNSK Connect to the indoor controller board (CNDK) Between ① to ③ 220-240V AC

8-3-3. Circuit board PLFY-P32VAM-E.UK PLFY-P40VAM-E.UK PLFY-P50VAM-E.UK PLFY-P63VAM-E.UK

PLFY-P80VAM-E.UK PLFY-P100VAM-E.UK PLFY-P125VAM-E.UK



DISASSEMBLY PROCEDURE

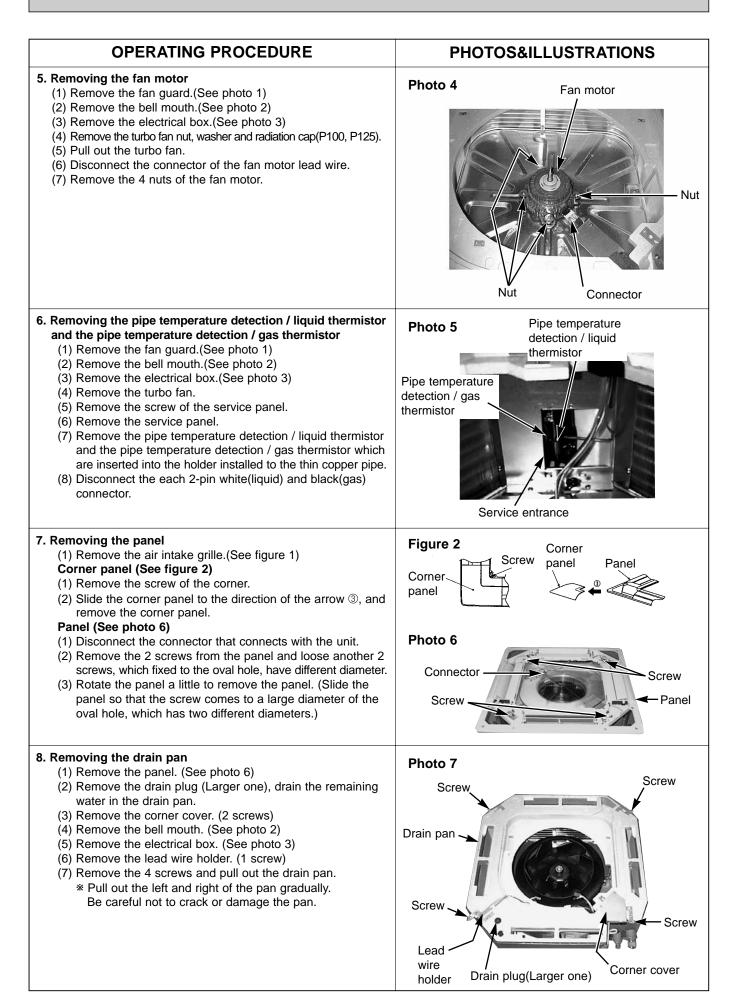
PLFY-P80VAM-E.UK

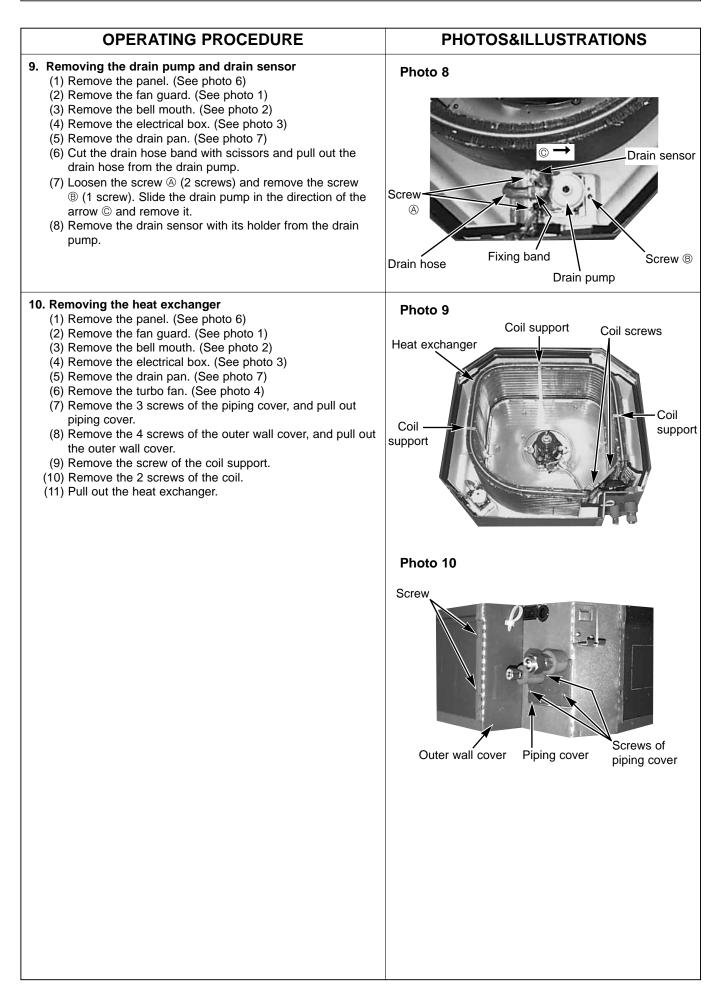
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Be careful on removing heavy parts.

OPERATING PROCEDURE	PHOTOS&ILLUSTRATIONS
 Removing the air intake grille Slide the knob of air intake grille to the direction of the arrow ① to open the air intake grille. Remove the string hook from the panel to prevend the grille from dropping. Slide the shaft in the hinge to the direction of the arrow② and remove the air intake grille. 	Figure 1 Air intake grille Air intake grille knob
 2. Removing the fan guard (1) Open the air intake grille. (2) Remove the 3 screws of fan guard. 	Photo 1 Fan guard
 Removing the room temperature thermistor (1)Remove the fan guard.(See photo 1) (2) Remove the screw(X1) in the room temperature thermistor holder to remove the holder and the room temperature thermistor. (3) Remove the 1 screw from the bell mouth, and unscrew the another 2 screws (fixed to the oval hole which has different diameter) to remove the bell mouth. (4) Hold the holder claw, and remove the room temperature thermistor and holder. (5) Disconnect the connector (red) in the indoor control board. 	Photo 2 Bell mouth Screws Room temperature thermistor Air intake grille
 4. Removing the electrical box (1) Remove the fan guard.(See photo 1) (2) Remove the lead wire of the vane motor from the clamp, and disconnect the white connector (10P). (3) Remove the room temperature thermistor with the holder. (4) Remove the bell mouth.(See photo 2) (5) Disconnect the relay connector in the electrical box. Red (3P) for fan motor power supply White (2P) for pipe temperature detection / liquid thermistor Black (2P) for pipe temperature detection / gas thermistor Blue (2P) for drain pump White (3P) for drain sensor (6) Remove the 3 screws from the electrical box, loosen another 2 screws to remove the box. <electrical box="" electrical="" in="" parts="" the=""> Indoor controller board power supply board</electrical> Terminal block (Power supply) Terminal block (MA remote controller) Capacitor Circuit(address) board 	Photo 3

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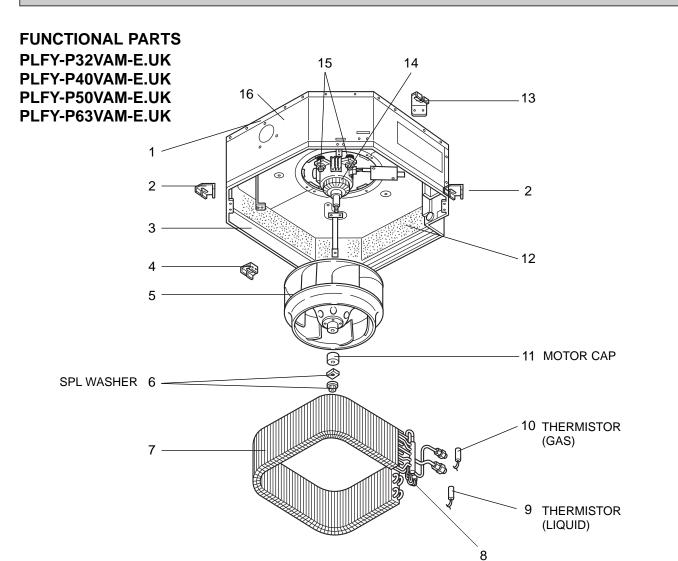


10 PARTS LIST

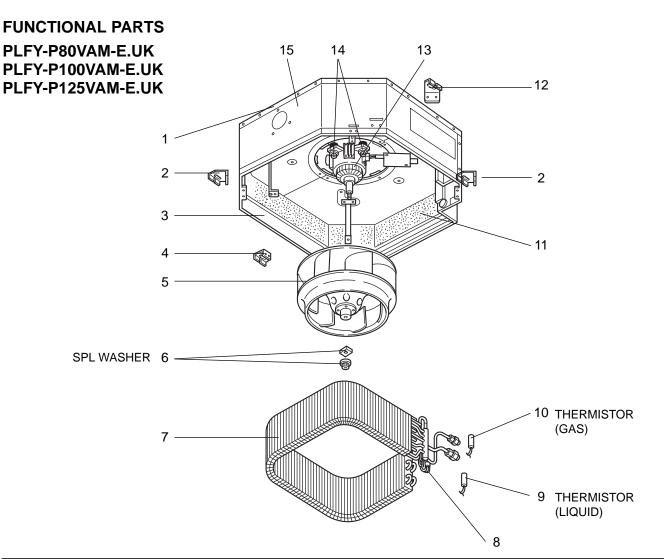
PANEL PARTS PLFY-P32VAM-E.UK PLFY-P40VAM-E.UK PLFY-P50VAM-E.UK PLFY-P63VAM-E.UK G PLFY-P80VAM-E.UK PLFY-P100VAM-E.UK Ø PLFY-P125VAM-E.UK 0 $\langle \langle \rangle$ 0 -10 1 -۲ - 9 Ì Ø ð - 8 2 -Q 3 -7 12 4 5 -6 -

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

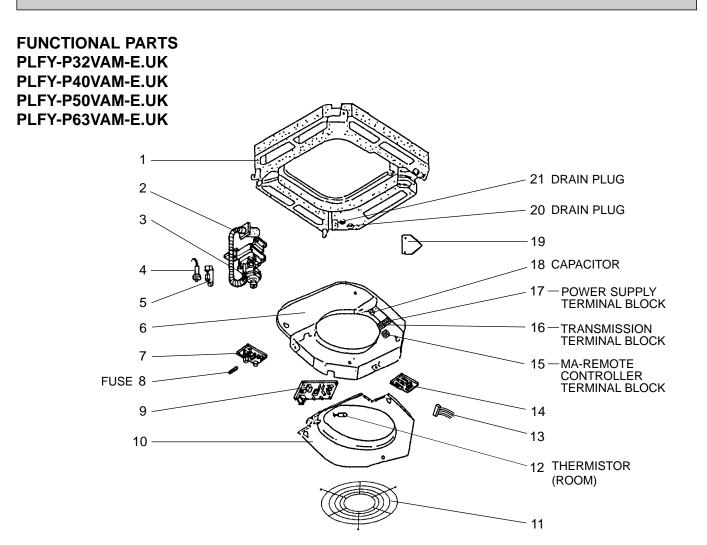
	B (1)			Q'ty/set PLFY-	Remarks		Recom-	Pr	ice
No.	Part No.	Part Name	Specification	P32, P40, P50, P63 P80, P100, P125	(Drawing No.)	Symbol	mended Q'ty	Unit	Amount
				VAM-E.UK					
1	S70 E10 003	AIR OUTLET GRILLE		1	Including H2				
2	S70 E00 002	AUTO VANE		4					
3	S70 E01 638	CORNER PANEL		1					
4	S70 E00 638	CORNER PANEL		3					
5	S70 E00 500	L.L FILTER		1					
6	S70 E00 691	GRILLE ASSY		1					
7	S70 E00 223	VANE MOTOR		4		ΜV			
8	S70 E00 063	VANE BUSH		8					
9	S70 E00 040	GEAR (VANE)		4					
10	S70 E01 040	GEAR (MOTOR)		4					
11	S70 E01 673	SCREW ASSY		1					
12	S70 030 713	REMOTE CONTROLLER	PAR-20MAA	1					



	D -		_	Parts Name	Specifi-		-	/ set		Remarks	Wiring	Recom-	Pr	rice
No	Pa	rts No	D .		cation	PLFY- · VAM-E.UK			-	(Drawing No.)	Diagram Symbol	mended Q'ty	Unit	Amount
						P32	P40	P50	P63	NO.)				Amount
1	S70	003	687	BASE DWG		1	1	1	1					
2	S70	E01	130	LEG		2	2	2	2					
3	S70	005	688	DRUM 1 ASSY		1	1	1	1					
4	S70	E00	130	LEG		1	1	1	1					
5	S70	E00	114	TURBO FAN		1	1	1	1					
6	S70	08K	097	SPL WASHER		1	1	1	1					
	S70	E60	480	HEAT EXCHANGER		1								
_	S70	E61	480	HEAT EXCHANGER			1							
7				HEAT EXCHANGER				1						
	S70	E63	480	HEAT EXCHANGER					1					
8	S70	E60	401	LINEAR EXPANSION VALVE		1	1	1	1		LEV			
9	S70	17J	202	THERMISTOR (LIQUID)		1	1	1	1		TH22			
10	S70	E50	129	MOTOR CAP		1	1	1	1					
	S70			THERMISTOR (GAS)		1	1	1	1		TH23			
12	S70			INNER COVER ASSY		1	1	1	1					
13	S70	E02	130	LEG		1	1	1	1					
14	S70	-		FAN MOTOR	D17B6P70MS	1	1	1	1		MF			-
	-			MOTOR MOUNT		4	4	4	4					1
-				DRUM 2 ASSY		1	1	1	1					



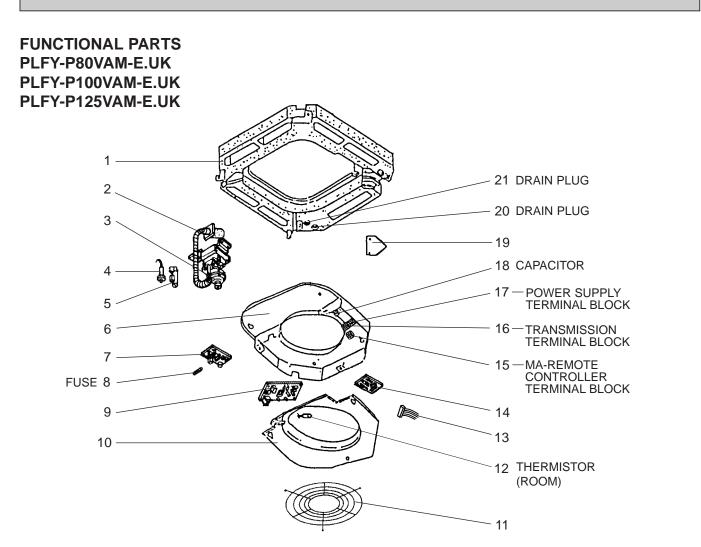
					0		Q'ty / set	1	Remarks	Wiring	Recom-	Price	
No.	Pa	rts N	o.	Parts Name	Specifi- cation	PLF	Y- · VAM-	E.UK	(Drawing	S Wiring Rec Diagrammer Symbol Q 	mended		
					cation	P80	P100	P120	No.)		Q'ty	Unit	Amount
1	S70	003	687	BASE DWG		1	1	1					
2	S70	E01	130	LEG		2	2	2					
3	S70	005	688	DRUM 1 ASSY		1							
3	S70	007	688	DRUM 1 ASSY			1	1					
4	S70	E00	130	LEG		1	1	1					
5	S70	E00	114	TURBO FAN		1							
5	S70	E01	114	TURBO FAN			1	1					
6	S70	08K	097	SPL WASHER		1	1	1					
-	S70	E64	480	HEAT EXCHANGER		1							
1	S70	E65	480	HEAT EXCHANGER			1	1					
8	S70	E70	401	LINEAR EXPANSION VALVE		1	1	1		LEV			
9	S70	17J	202	THERMISTOR (LIQUID)		1	1	1		TH22			
10	S70	79N	202	THERMISTOR (GAS)		1	1	1		TH23			
11	S70	E00	659	INNER COVER ASSY		1							
11	S70	E02	659	INNER COVER ASSY			1	1					
12	S70	E02	130	LEG		1	1	1					
4.2	S70	E06	762	FAN MOTOR	D17B6P70MS	1				MF			
13	S70	E07	762	FAN MOTOR	D176P120MS		1	1		MF			
14	S70	A41	105	MOTOR MOUNT		4	4	4					
15	S70	006	688	DRUM 2 ASSY		1							
15	S70	800	688	DRUM 2 ASSY			1	1					



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

						Q'ty / set	Remarks	Wiring	Deeem	Pr	ice
No.	Pa	rts No	D .	Parts Name	Specifi- cation	PLFY- · VAM-E.UK	(Drawing	Diagram	mended		
					Callon	P32, P40, P50, P63	No.)	Symbol	Q'ty	Unit	Amount
1	S70	E02	529	DRAIN PAN		1					
2	S70	A41	523	DRAIN SOCKET		1					
3	S70	E01	355	DRAIN PUMP		1		DP			
4	S70	E00	266	DRAIN SENSOR		1		DS			
5	S70	31K	241	DRAIN SENSOR HOLDER		1					
6				CONTROL BOX		1					
7				POWER BOARD		1		P.B			
8				FUSE	6.3A 250V	1		FUSE			
9	S70	E35		INDOOR CONTROLLER BOARD		1		I.B *			
10		003		CONTROL COVER ASSY		1					
11	S70	E10	675	FAN GUARD		1					
12	S70	E00	202	THERMISTOR (ROOM)		1		TH21			
13	S70	E00	304	ADDRESS CABLE		1					
14	S70	B02	294	ADDRESS BOARD		1		A.B			
15	S70	512	716	MA-REMOTE CONTROLLER TERMINAL BLOCK	2P(1, 2)	1		TB15			
16	S70	B02	716	TRANSMISSION TERMINAL BLOCK	(M1, M2, S)	1		TB5			
17	S70	521	716	POWER SUPPLY TERMINAL BLOCK	(L, N, E)	1		TB2			
18	S70	576	255	FAN MOTOR CAPACITOR	3.0 <i>µ</i> F 440V	1		С			
19	S70	001	663	CORNER COVER		1					
20	S70	A48	524	DRAIN PLUG		1					
21	S70	A41	524	DRAIN PLUG		1					

***** The part name of symbol "I.B" is "SPCB".



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

						Q'ty / set		Remarks	Wiring	Bocom-	Price	
No.	Parts No.			Parts Name	Specifi-	PLFY- · VAM-E.UK		(Drawing	Diagram	mended	Unit	Amount
					cation	P80	P100, P125	No.)	Symbol	Q'ty	Unit	Amount
1	S70	E02	529	DRAIN PAN		1						
	S70	E01	529	DRAIN PAN			1					
2	S70	A41	523	DRAIN SOCKET		1	1					
3	S70	E01	355	DRAIN PUMP		1	1		DP			
4	S70	E00	266	DRAIN SENSOR		1	1		DS			
5	S70	31K	241	DRAIN SENSOR HOLDER		1	1					
6	S70	E00	503	CONTROL BOX		1	1					
7	S70	E02	313	POWER BOARD		1	1		P.B			
8	S70	520	239	FUSE	6.3A 250V	1	1		FUSE			
9	S70	E35	310	INDOOR CONTROLLER BOARD		1	1		I.B 🔆			
10	S70	003	503	CONTROL COVER ASSY		1	1					
11	S70	E10	675	FAN GUARD		1	1					
12	S70	E00	202	THERMISTOR (ROOM)		1	1		TH21			
13	S70	E00	304	ADDRESS CABLE		1	1					
14	S70	B02	294	ADDRESS BOARD		1	1		A.B			
15	S70	512	716	MA-REMOTE CONTROLLER TERMINAL BLOCK	2P(1, 2)	1	1		TB15			
16	S70	B02	716	TRANSMISSIONTERMINAL BLOCK	(M1, M2, S)	1	1		TB5			
17	S70	521	716	POWER SPPLY TERMINAL BLOCK	(L, N, E)	1	1		TB2			
18	S70	17T	255	FAN MOTOR CAPACITOR	3.5 <i>µ</i> F 440V	1			С			
18	S70	E02	255	FAN MOTOR CAPACITOR	7.0µF 440V		1		С			
19	S70	001	663	CORNER COVER		1	1					
20	S70	A48	524	DRAIN PLUG		1	1					
21	S70	A41	524	DRAIN PLUG		1	1					

***** The part name of symbol "I.B" is "SPCB".

11 **OPTIONAL PARTS**

11-1. Multi function casement

Part No.	PAC-SG03TM-E

11-2. Air outlet shutter plate (20 sets)

Part No.	PAC-SG06SP-E
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11-3. High efficiency filter (PAC-SG03TM-E is required in using this optional part.)

	1
Part No	PAC-SG01KE
Tarrivo.	140-000110
	4



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