Changes for the Better

MITSUBISHI ELECTRIC

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS

March 2009

No.OCB415

REVISED EDITION-B

PARTS CATALOG

R410A

Outdoor unit [model names]	[Service Ref.]
PUHZ-P100VHA2	PUHZ-P100VHA2.UK
PUHZ-P125VHA2	PUHZ-P125VHA2.UK
	PUHZ-P125VHA2$_1$.UK
PUHZ-P140VHA2	PUHZ-P140VHA2.UK
	PUHZ-P140VHA2$_1$.UK
PUHZ-P100VHA3	PUHZ-P100VHA3.UK
PUHZ-P125VHA3	PUHZ-P125VHA3.UK
PUHZ-P140VHA3	PUHZ-P140VHA3.UK

Revision:
- PUHZ-P100/125/140VHA3.UK are added in REVISED EDITION-B.
- Some descriptions have been modified.

- Please void OCB415 REVISED EDITION-A.

Note:
- RoHS compliant products have <G> mark on the spec name plate.

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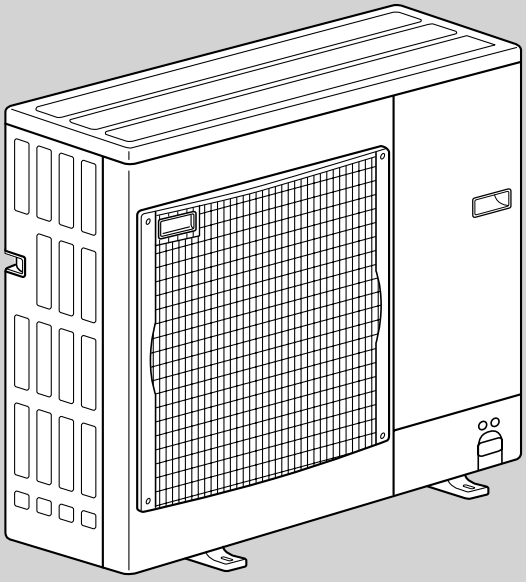
1. RoHS PARTS LIST 2

SERVICE MANUAL (OCH415)

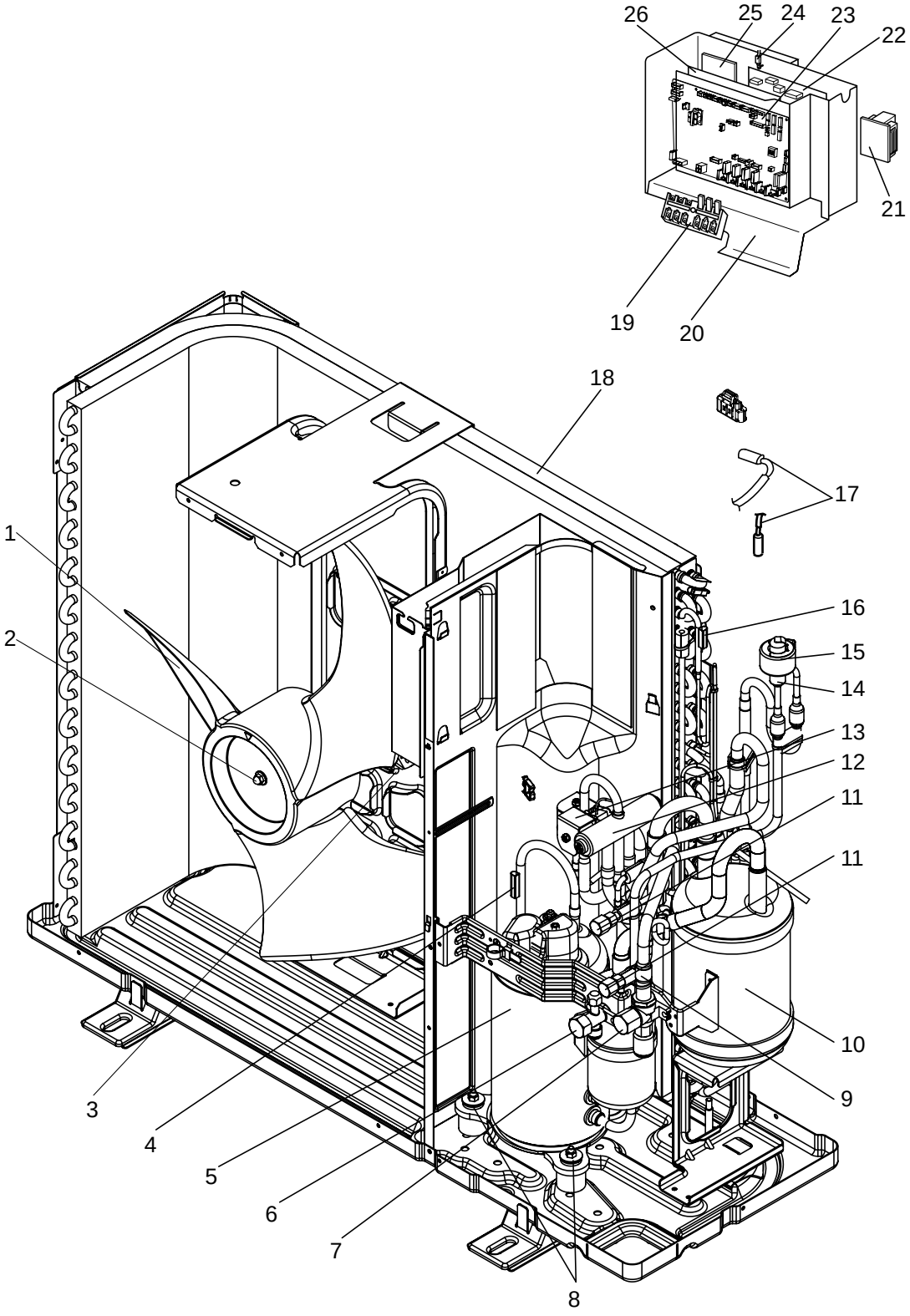


PUHZ-P100VHA2.UK
PUHZ-P100VHA3.UK

Mr.SLIM™

1 RoHS PARTS LIST

FUNCTIONAL PARTS
PUHZ-P100VHA2.UK
PUHZ-P100VHA3.UK

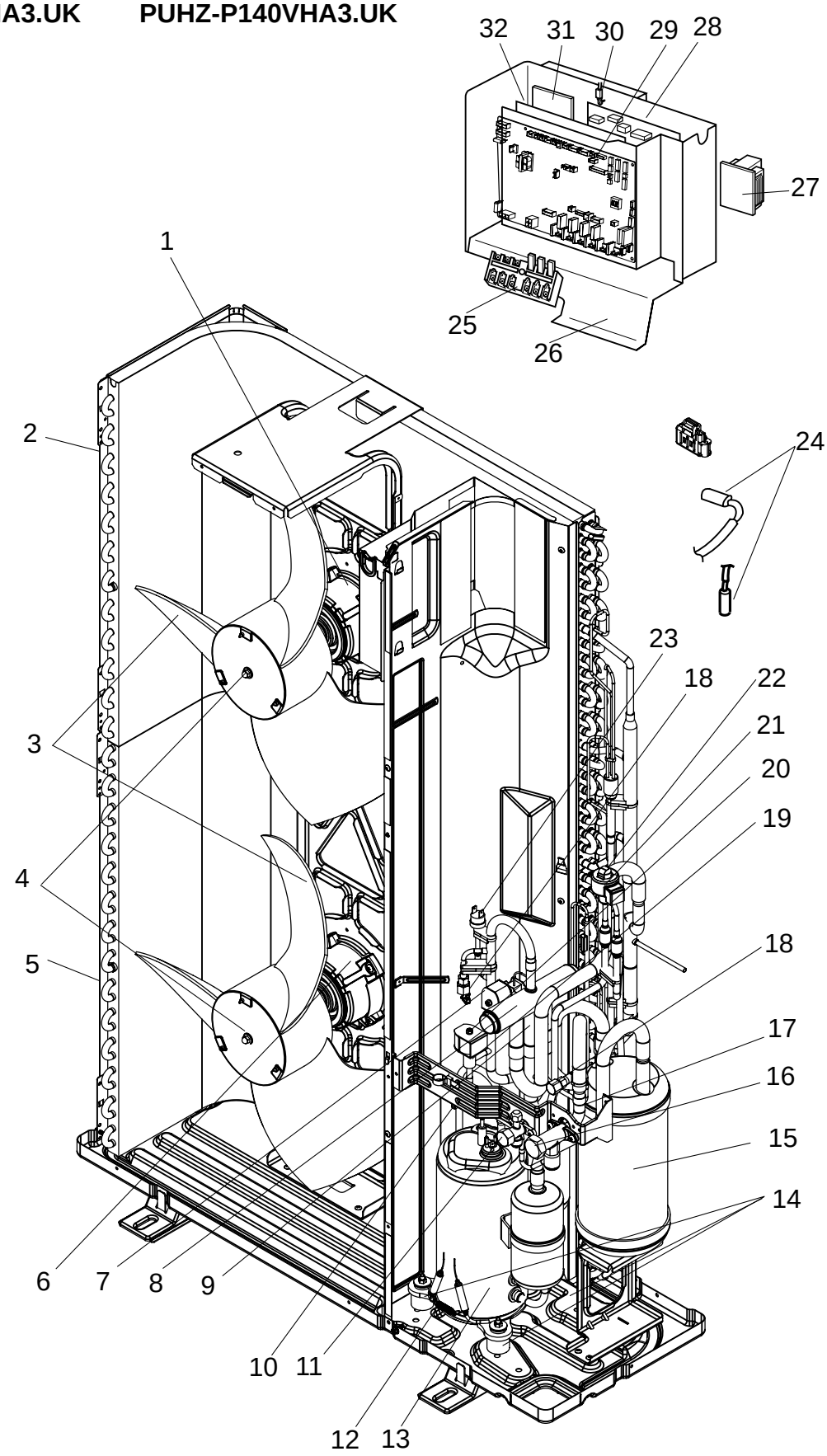


Part numbers that are circled are not shown in the figures.

No.	RoHS	Part No.	Part Name	Specification	Q'ty/set		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty
					PUHZ-P100				
					VHA2.UK	VHA3.UK			
1	G	S70 K04 115	PROPELLER FAN		1	1			
2	G	S70 K01 097	NUT		1	1			
3	G	S70 E10 763	FAN MOTOR		1	1		MF1	
4	G	S70 E33 202	THERMISTOR (DISCHARGE)		1	1		TH4	
5	G	S70 E41 400	COMPRESSOR	TNB220FLBM	1	1		MC	
6	G	S70 500 418	STOP VALVE	3/8	1	1			
7	G	S70 E07 411	STOP VALVE	5/8	1	1			
8	G	S70 E01 004	RUBBER MOUNT		3	3			
9	G	S70 36L 450	STRAINER	#50	1	1			
10	G	S70 E50 440	ACCUMULATOR		1	1			
11	G	S70 E02 413	CHARGE PLUG		2	2			
12	G	S70 E04 403	4-WAY VALVE		1	1			
13	G	S70 E01 242	SOLENOID VALVE COIL <4-WAY VALVE>		1	1		21S4	
14	G	S70 E80 401	EXPANSION VALVE		1	1			
15	G	S70 E81 402	LINEAR EXPANSION VALVE COIL		1	1		LEV(A)	
16	G	S70 E32 202	THERMISTOR (OUTDOOR PIPE)		1	1		TH3	
17	G	S70 E31 202	THERMISTOR (OUTDOOR 2-PHASE PIPE, OUTDOOR)		1	1		TH6,7	
18	G	S70 E50 408	HEAT EXCHANGER		1	1			
19	G	S70 E05 716	TERMINAL BLOCK	6P(L,N,⏚,S1,S2,S3)	1	1		TB1	
20	G	S70 E10 316	CONTROL BOX ASSY		1				
	G	S70 E34 316	CONTROL BOX ASSY			1			
21	G	S70 K20 259	REACTOR		1	1		DCL	
22	G	S70 0B2 313	POWER CIRCUIT BOARD		1	1		P.B.	
23	G	S70 0B1 315	CONTROLLER CIRCUIT BOARD		1			C.B.	
	G	S70 0B5 315	CONTROLLER CIRCUIT BOARD			1		C.B.	
24	G	S70 E30 202	THERMISTOR (HEATSINK)		1	1		TH8	
25	G	S70 E20 233	ACTIVE FILTER MODULE		1	1		ACTM	
26	G	S70 E20 346	NOISE FILTER CIRCUIT BOARD		1	1		N.F.	
(27)	G	S70 E10 208	HIGH PRESSURE SWITCH	OFF 4.14MPa	1	1		63H	
(28)	G	S70 42H 467	MUFFLER		1	1			
(29)	G	S70 E05 255	MAIN SMOOTHING CAPACITOR		1	1		CB	

FUNCTIONAL PARTS

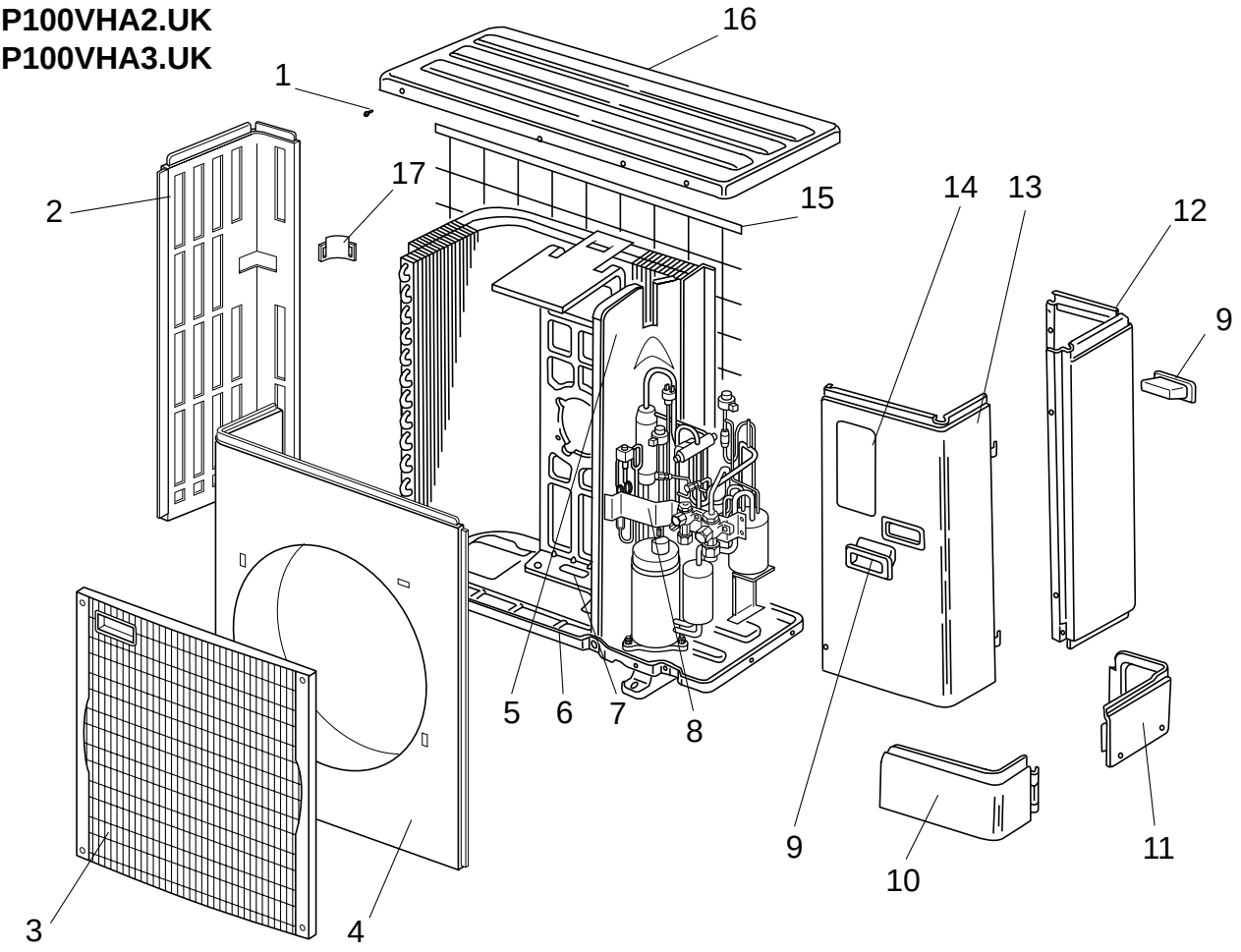
PUHZ-P125VHA2.UK	**PUHZ-P140VHA2.UK**
PUHZ-P125VHA2$_1$.UK	**PUHZ-P140VHA2$_1$.UK**
PUHZ-P125VHA3.UK	**PUHZ-P140VHA3.UK**



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

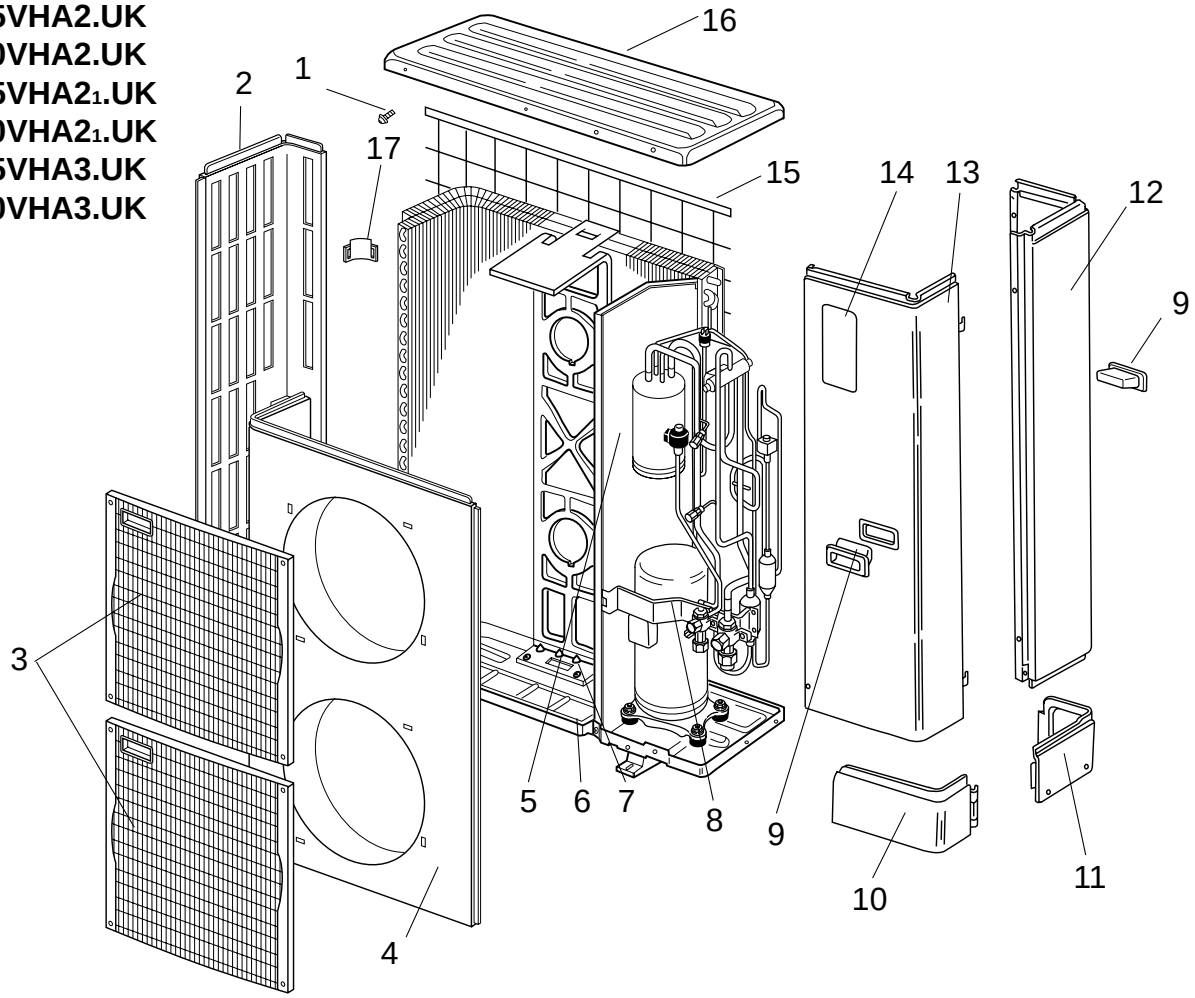
No.	RoHS	Part No.	Part Name	Specification	Q'ty/set						Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty
					PUHZ-P								
					125	140	125	140	125	140			
					VHA2.UK		VHA2₁.UK		VHA3.UK				
1	G	S70 E10 763	FAN MOTOR		1	1	1	1	1	1		MF1	
2	G	S70 R80 408	HEAT EXCHANGER (TOP)		1	1	1	1	1	1			
3	G	S70 K04 115	PROPELLER FAN		2	2	2	2	2	2			
4	G	S70 K01 097	NUT		2	2	2	2	2	2			
5	G	S70 R90 408	HEAT EXCHANGER(UNDER)		1	1	1	1	1	1			
6	G	S70 E20 763	FAN MOTOR		1	1	1	1	1	1		MF2	
7	G	S70 E44 242	SOLENOID COIL <4-WAY VALVE>		1	1						21S4	
	G	S70 E55 242	SOLENOID COIL <4-WAY VALVE>				1	1	1	1		21S4	
8	G	S70 E03 403	4-WAY VALVE		1	1							
	G	S70 E05 403	4-WAY VALVE				1	1	1	1			
9	G	S70 42H 467	MUFFLER		1	1	1	1	1	1			
10	G	S70 E36 202	THERMISTOR (DISCHARGE)		1	1	1	1	1	1		TH4	
11	G	S70 500 418	STOP VALVE	3/8	1	1	1	1	1	1			
12	G	S70 0B4 236	CRANKCASE HEATER		1	1	1	1	1	1		CH	
13	G	S70 E42 400	COMPRESSOR	TNB306FPGM	1	1	1	1	1	1		MC	
14	G	S70 E01 004	RUBBER MOUNT		3	3	3	3	3	3			
15	G	S70 E60 440	ACCUMULATOR		1	1	1	1	1	1			
16	G	S70 E07 411	STOP VALVE	5/8	1	1	1	1	1	1			
17	G	S70 36L 450	STRAINER	#50	1	1	1	1	1	1			
18	G	S70 E02 413	CHARGE PLUG		2	2	2	2	2	2			
19	G	S70 282 403	BYPASS VALVE		1	1	1	1	1	1			
20	G	S70 451 242	BYPASS VALVE COIL		1	1	1	1	1	1		SV	
21	G	S70 E81 402	LEV COIL		1	1	1	1	1	1		LEV(A)	
22	G	S70 E90 401	EXPANSION VALVE		1	1	1	1	1	1			
23	G	S70 E10 208	HIGH PRESSURE SWITCH	OFF4.14MPa	1	1	1	1	1	1		63H	
24	G	S70 E31 202	THERMISTOR (OUTDOOR 2-PHASE PIPE, OUTDOOR)		1	1	1	1	1	1		TH6,7	
25	G	S70 E05 716	TERMINAL BLOCK	6P(L,N,⏚,S1,S2,S3)	1	1	1	1	1	1		TB1	
26	G	S70 E20 316	CONTROL BOX ASSY		1								
	G	S70 E30 316	CONTROL BOX ASSY			1							
	G	S70 E21 316	CONTROL BOX ASSY				1						
	G	S70 E31 316	CONTROL BOX ASSY					1					
	G	S70 E35 316	CONTROL BOX ASSY						1				
	G	S70 E36 316	CONTROL BOX ASSY							1			
27	G	S70 K20 259	REACTOR		1	1	1	1	1	1		DCL	
28	G	S70 0B3 313	POWER CIRCUIT BOARD		1	1	1	1	1	1		P.B.	
29	G	S70 0B1 315	CONTROLLER CIRCUIT BOARD		1	1	1	1				C.B.	
	G	S70 0B5 315	CONTROLLER CIRCUIT BOARD						1	1		C.B.	
30	G	S70 E30 202	THERMISTOR (HEATSINK)		1	1	1	1	1	1		TH8	
31	G	S70 E20 233	ACTIVE FILTER MODULE		1	1	1	1	1	1		ACTM	
32	G	S70 E20 346	NOISE FILTER CIRCUIT BOARD		1	1	1	1	1	1		N.F.	
(33)	G	S70 E37 202	THERMISTOR (OUTDOOR PIPE)		1	1	1	1	1	1		TH3	
(34)	G	S70 E05 255	MAIN SMOOTHING CAPACITOR		1	1	1	1	1	1		CB	

STRUCTURAL PARTS
PUHZ-P100VHA2.UK
PUHZ-P100VHA3.UK



No.	RoHS	Part No.	Part Name	Specification	Q'ty/set PUHZ-P 100		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty
					VHA2.UK	VHA3.UK			
1	G	—	F.ST SCREW	(5×10)	31	31	(DG12F536H10)		
2	G	S70 E10 662	SIDE PANEL (L)		1	1			
3	G	S70 E20 675	FAN GRILLE		1	1			
4	G	S70 E10 668	FRONT PANEL		1	1			
5	G	—	SEPARATOR		1	1	(BK00C456G03)		
6	G	S70 E10 686	BASE ASSY		1	1			
7	G	S70 E10 130	MOTOR SUPPORT		1	1			
8	G	—	VALVE BED ASSY		1	1	(BK00C493G01)		
9	G	S70 30L 655	HANDLE		2	2			
10	G	S70 E10 658	COVER PANEL (FRONT)		1	1			
11	G	S70 E20 658	COVER PANEL (REAR)		1	1			
12	G	S70 E60 662	SIDE PANEL (R)		1	1			
13	G	S70 E30 661	SERVICE PANEL		1	1			
14	G	S70 E10 699	LABEL		1	1			
15	G	S70 E10 698	REAR GUARD		1	1			
16	G	S70 E10 641	TOP PANEL		1	1			
17	G	S70 E10 655	HANDLE		1	1			

STRUCTURAL PARTS
PUHZ-P125VHA2.UK
PUHZ-P140VHA2.UK
PUHZ-P125VHA2$_{1}$.UK
PUHZ-P140VHA2$_{1}$.UK
PUHZ-P125VHA3.UK
PUHZ-P140VHA3.UK



No.	RoHS	Part No.	Part Name	Specification	Q'ty/set PUHZ-P 125, 140		Remarks (Drawing No.)	Wiring Diagram Symbol	Recommended Q'ty
					VHA2$_{(1)}$.UK	VHA3.UK			
1	G	—	F.ST SCREW	(5×10)	46	46	(DG12F536H10)		
2	G	S70 E20 662	SIDE PANEL (L)		1	1			
3	G	S70 E20 675	FAN GRILLE		2	2			
4	G	S70 E20 668	FRONT PANEL		1	1			
5	G	—	SEPARATOR		1	1	(BK00C456G06)		
6	G	S70 E10 686	BASE ASSY		1	1			
7	G	S70 E20 130	MOTOR SUPPORT		1	1			
8	G	—	VALVE BED ASSY		1	1	(BK00C493G01)		
9	G	S70 30L 655	HANDLE		2	2			
10	G	S70 E10 658	COVER PANEL (FRONT)		1	1			
11	G	S70 E20 658	COVER PANEL (REAR)		1	1			
12	G	S70 E50 662	SIDE PANEL (R)		1	1			
13	G	S70 E40 661	SERVICE PANEL		1	1			
14	G	S70 E10 699	LABEL		1	1			
15	G	S70 E20 698	REAR GUARD		2	2			
16	G	S70 E10 641	TOP PANEL		1	1			
17	G	S70 E10 655	HANDLE		1	1			

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