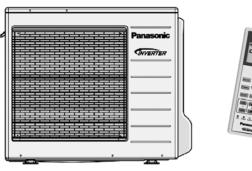
Service Manual

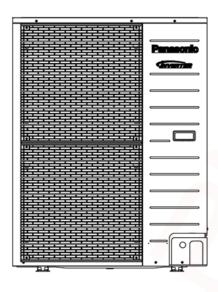
Air Conditioner



Indoor Unit CS-RE18NKR CS-RE24NKR CS-RE28NKR Outdoor Unit CU-RE18NKR CU-RE24NKR CU-RE28NKR







WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

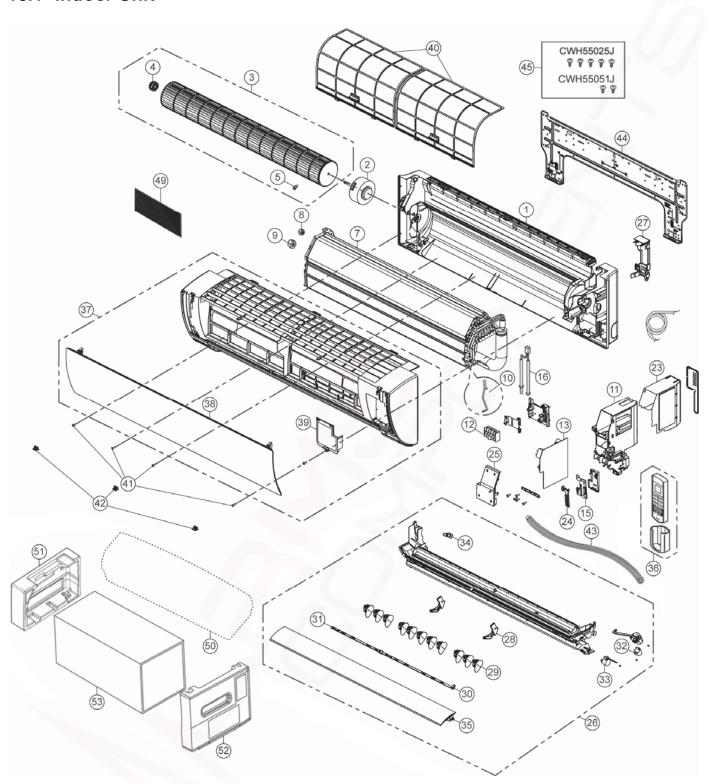
PRECAUTION OF LOW TEMPERATURE

In order to avoid frostbite, be assured of no refrigerant leakage during the installation or repairing of refrigeration circuit.



Exploded View and Replacement Parts List 18.

18.1 Indoor Unit

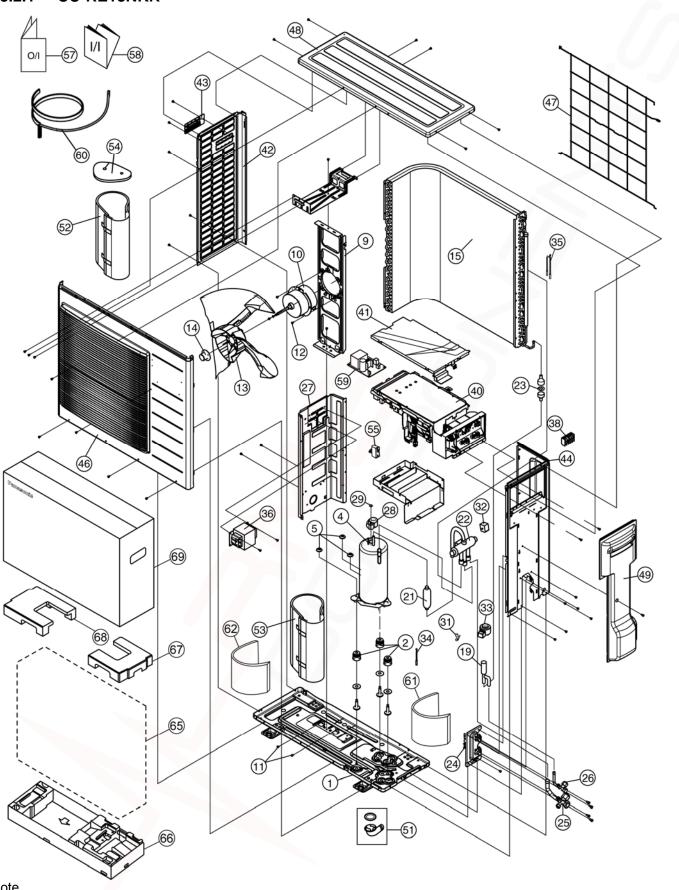


REF NO.	PART NAME & DESCRIPTION	QTY.	CS-RE18NKR	CS-RE24NKR	CS-RE28NKR	REMARK
1	CHASSY COMPLETE	1	CWD50C1623	←	←	
2	FAN MOTOR	1	ARW7627AC	←	←	0
3	CROSS FLOW FAN COMPLETE	1	CWH02C1077	←	←	
4	BEARING ASS'Y	1	CWH64K1006	←	←	
5	SCREW - CROSS FLOW FAN	1	CWH551146	←	←	
7	EVAPORATOR	1	CWB30C2900	CWB30C4227	CWB30C3855	
8	FLARE NUT (LIQUID)	1	CWT251030	←	←	
9	FLARE NUT (GAS)	1	CWT251032	CWT251033	←	
10	HOLDER SENSOR	1	CWH32143	←	←	
11	CONTROL BOARD CASING	1	CWH102449	←	←	
12	TERMINAL BOARD COMPLETE	1	CWA28C2357	←	←	0
13	ELECTRONIC CONTROLLER - MAIN	1	CWA73C6939	CWA73C6943	CWA73C6946	0
15	ELECTRONIC CO INDICATOR & RECEIVER	1	CWA747149	←	←	0
16	SENSOR COMPLETE	1	CWA50C2122	CWA50C2782	←	0
23	CONTROL BOARD TOP COVER	1	CWH131467	←	←	
24	INDICATOR HOLDER	1	CWD933406	←	←	
25	CONTROL BOARD FRONT COVER	1	CWH13C1247	←	←	
26	DISCHARGE GRILLE COMPLETE	1	CWE20C3242	←	←	
27	BACK COVER CHASSIS	1	CWD933031	←	←	
28	FULCRUM	2	CWH621138	←	←	
29	VERTICAL VANE	11	CWE241374	←	←	
30	CONNECTING BAR	1	CWE261257	←	←	
31	CONNECTING BAR	1	CWE261258	←	←	
32	AIR SWING MOTOR	1	CWA981241	←	←	0
33	AIR SWING MOTOR	1	CWA98K1018	←	←	0
34	CAP - DRAIN TRAY	1	CWH521096	←	←	
35	HORIZONTAL VANE	1	CWE24C1392	←	←	
36	REMOTE CONTROL COMPLETE	1	CWA75C4149	←	←	0
37	FRONT GRILLE COMPLETE	1	CWE11C5447	CWE11C5448	←	0
38	INTAKE GRILLE COMPLETE	1	CWE22C1728	←	←	
39	GRILLE DOOR	1	CWE14C1090	←	←	
40	AIR FILTER	2	CWD001283	←	←	
41	SCREW - FRONT GRILLE	3	XTT4+16CFJ	←	←	
42	CAP - FRONT GRILLE	3	CWH521227	←	←	
43	DRAIN HOSE	1	CWH851173	←	←	
44	INSTALLATION PLATE	1	CWH361098	←	←	
45	BAG COMPLETE - INSTALLATION SCREW	1	CWH82C1705	←	←	
49	AIR PURIFYING FILTER	1	CWD00C1280	←	←	0
50	BAG	1	CWG861498	←	←	
51	SHOCK ABSORBER (LEFT)	1	CWG713402	←	←	
52	SHOCK ABSORBER (RIGHT)	1	CWG713403	←	←	
53	C.C.CASE	1	CWG567455	←	←	

- (Note)
 All parts are supplied from PAPAMY, Malaysia (Vendor Code: 00029488).
 "O" marked parts are recommended to be kept in stock.

18.2 Outdoor Unit

18.2.1 CU-RE18NKR



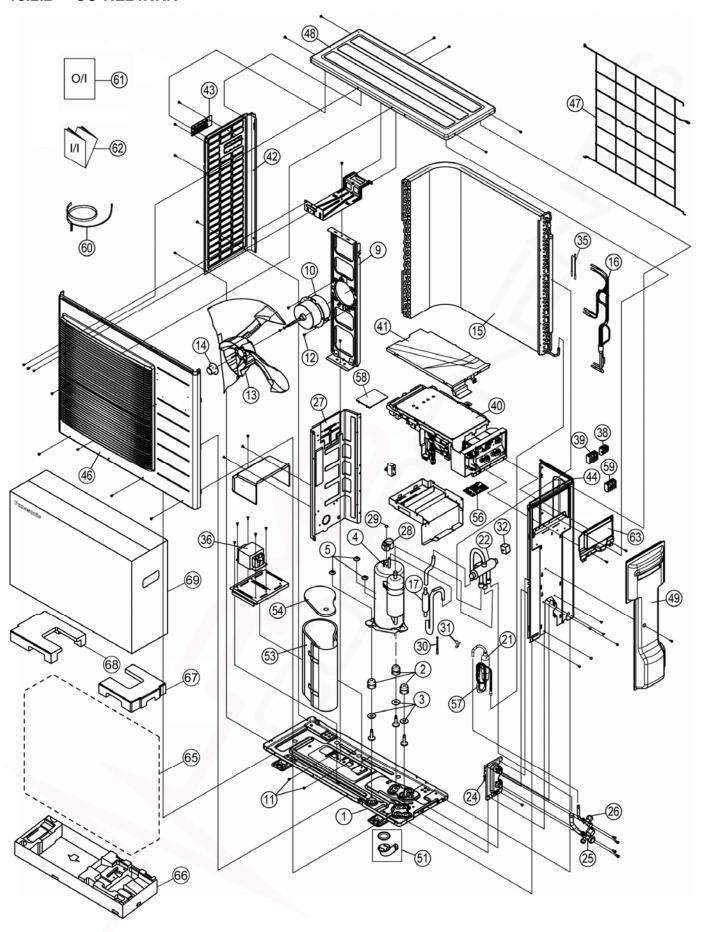
Note

REF. NO.	PART NAME & DESCRIPTION	QTY	CU-RE18NKR	REMARKS
1	BASE PAN ASS'Y	1	CWD52K1191	
2	ANTI - VIBRATION BUSHING	3	CWH50077	
4	COMPRESSOR	1	5RD132XFA21	0
5	NUT - COMPRESSOR MOUNT	3	CWH56000J	
9	FAN MOTOR BRACKET	1	CWD541126	
10	FAN MOTOR	1	CWA951620	0
11	SCREW - FAN MOTOR BRACKET	3	CWH551217	
12	SCREW - FAN MOTOR MOUNT	3	CWH551040J	
13	PROPELLER FAN ASS'Y	1	CWH001019	
14	NUT - PROPELLER FAN	1	CWH561092	
15	CONDENSER COMPLETE	1	CWB32C3230	
19	EXPANSION VALVE	1	CWB051016J	
21	RECEIVER	1	CWB14011	
22	4 WAYS VALVE	1	CWB001026J	
23	STRAINER	1	CWB11094	
24	HOLDER - COUPLING	1	CWH351227	
25	3 WAYS VALVE (GAS)	1	CWB011338	0
26	2 WAYS VALVE (LIQUID)	1	CWB021292	0
27	SOUND PROOF BOARD	1	CWH151198	
28	TERMINAL COVER	1	CWH171039A	
29	NUT - TERMINAL COVER	1	CWH7080300J	
31	HOLDER SENSOR	1	CWH711010	
32	V-COIL COMPLETE - 4-WAY VALVE	1	CWA43C2169J	
33	V-COIL COMPLETE - EXP.VALVE	1	CWA43C2257	
34	SENSOR CO COMP TEMP	1	CWA50C2656	0
35	SENSOR CO AIR AND COND TEMP	1	CWA50C2517	0
36	REACTOR	1	G0C153J00007	
38	TERMINAL BOARD ASSY	1	CWA28K1110J	0
40	ELECTRONIC CONTROLLER - MAIN	1	CWA73C6928R	0
41	CONTROL BOARD COVER (TOP)	1	CWH131333	
42	CABINET SIDE PLATE (L)	1	CWE041317A	
43	HANDLE	1	CWE161010	
44	CABINET SIDE PLATE (R)	1	CWE041318A	
46	CABINET FRONT PLATE ASSY	1	CWE06K1084	
47	WIRE NET	1	CWD041128A	
48	CABINET TOP PLATE	1	CWE031083A	
49	CONTROL BOARD COVER (R)	1	CWH13C1185	
51	ACCESSORY CO. (DRAIN ELBOW)	1	CWG87C900	
52	SOUND PROOF MATERIAL	1	CWG302629	
53	SOUND PROOF MATERIAL	1	CWG302636	
54	SOUND PROOF MATERIAL	1	CWG302656	
55	CAPACITOR - FM	1	DS461305QP-A	
57	OPERATING INSTRUCTION	1	CWF568748	
58	INSTALLATION INSTRUCTION	1	CWF615543	
59	ELECTRONIC CONTROLLER	1	CWH14C8772	0
60	CRANKCASE HEATER	1	CWA341044	
61	SOUND PROOF MATERIAL	1	CWG302521	
62	SOUND PROOF MATERIAL	1	CWG302766	
65	BAG	1	CWG861154	
66	BASE BOARD - COMPLETE	1	CWG62C1082	

REF. NO.	PART NAME & DESCRIPTION	QTY	CU-RE18NKR	REMARKS
67	SHOCK ABSORBER (RIGHT)	1	CWG712879	
68	SHOCK ABSORBER (LEFT)	1	CWG712880	
69	C.C.CASE	1	CWG565614	

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18.2.2 CU-RE24NKR



Note

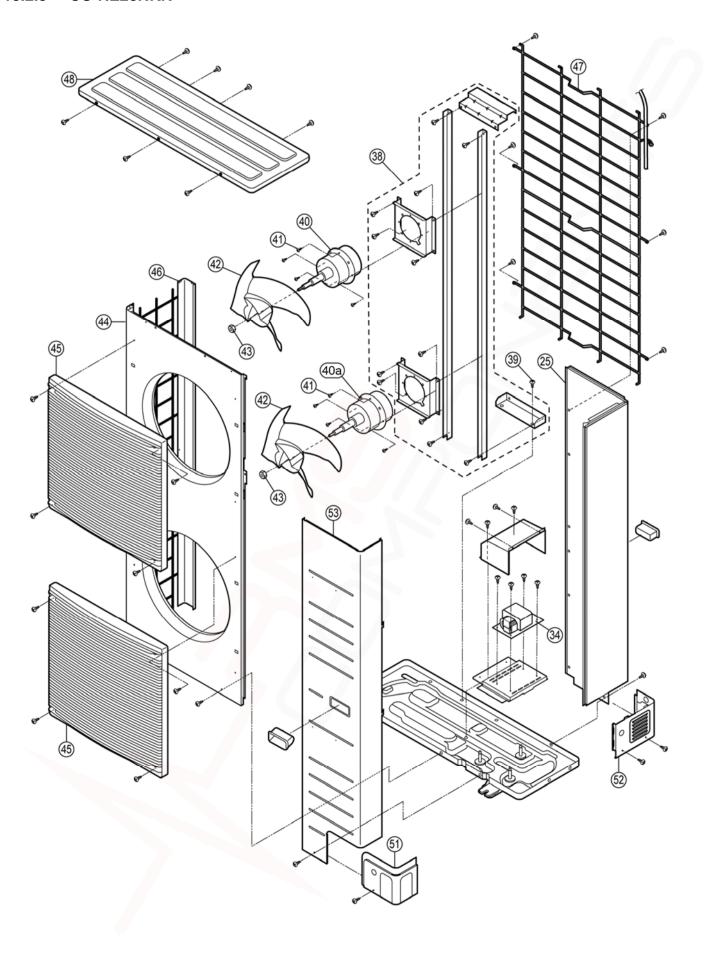
REF. NO.	PART NAME & DESCRIPTION	QTY	CU-RE24NKR	REMARKS
1	BASE PAN ASS'Y	1	CWD52K1190	
2	ANTI - VIBRATION BUSHING	3	CWH50055	
3	PACKING	3	CWB81043	
4	COMPRESSOR	1	5KD240XAF21	0
5	NUT - COMPRESSOR MOUNT	3	CWH561049	
9	FAN MOTOR BRACKET	1	CWD541127	
10	FAN MOTOR	1	EHDS80C60AC	0
11	SCREW - FAN MOTOR BRACKET	3	CWH551217	
12	SCREW - FAN MOTOR MOUNT	3	CWH551323	
13	PROPELLER FAN ASS'Y	1	CWH00K1006	
14	NUT - PROPELLER FAN	1	CWH561092	
15	CONDENSER COMPLETE	1	CWB32C3295	
16	TUBE ASSY (CAP.TUBE)	1	CWT01C5849	
17	DISCHARGE MUFFLER	1	CWB121013	
21	RECEIVER	1	CWB14030	
22	4 WAYS VALVE	1	CWB001026J	
24	HOLDER - COUPLING	1	CWH351057	
25	3 WAYS VALVE (GAS)	1	CWB011363	0
26	2 WAYS VALVE (LIQUID)	1	CWB021464	0
27	SOUND PROOF BOARD	1	CWH151277	
28	TERMINAL COVER	1	CWH171039A	
29	NUT - TERMINAL COVER	1	CWH7080300J	
30	SENSOR CO COMP TEMP	1	CWA50C2656	0
31	HOLDER SENSOR	1	CWH711010	
32	V-COIL COMPLETE	1	CWA43C2169J	
35	SENSOR CO AIR AND COND TEMP	1	CWA50C2517	0
36	REACTOR	1	G0C452J00002	
38	TERMINAL BOARD ASSY	1	CWA28K1076J	0
39	TERMINAL BOARD ASSY	1	CWA28K1162	0
40	ELECTRONIC CONTROLLER - MAIN	1	CWA73C6932R	0
41	CONTROL BOARD COVER (TOP)	1	CWH131333	
42	CABINET SIDE PLATE (L)	1	CWE041317A	
43	HANDLE	1	CWE161010	
44	CABINET SIDE PLATE (R)	1	CWE041319A	
46	CABINET FRONT PLATE ASSY	1	CWE06K1063	
47	WIRE NET	1	CWD041128A	
48	CABINET TOP PLATE	1	CWE031083A	
49	CONTROL BOARD COVER (R)	1	CWH13C1185	
51	ACCESSORY CO. (DRAIN ELBOW)	1	CWG87C900	
53	SOUND PROOF MATERIAL	1	CWG302245	
54	SOUND PROOF MATERIAL	1	CWG302246	
56	ELECTRONIC CONT NOISE FILTER	1	CWA746792	0
57	TUBE ASSY (CAP.TUBE & RECEIVER)	1	CWT01C5851	
58	ELECTRONIC CONTROLLER	1	CWH14C8772	0
59	TERMINAL BOARD ASSY	1	CWA28K1281	0
60	CRANKCASE HEATER	1	CWA341047	
61	OPERATING INSTRUCTION	1	CWF568748	
62	INSTALLATION INSTRUCTION	1	CWF615543	
65	BAG	1	CWG861154	
66	BASE BOARD - COMPLETE	1	CWG62C1081	

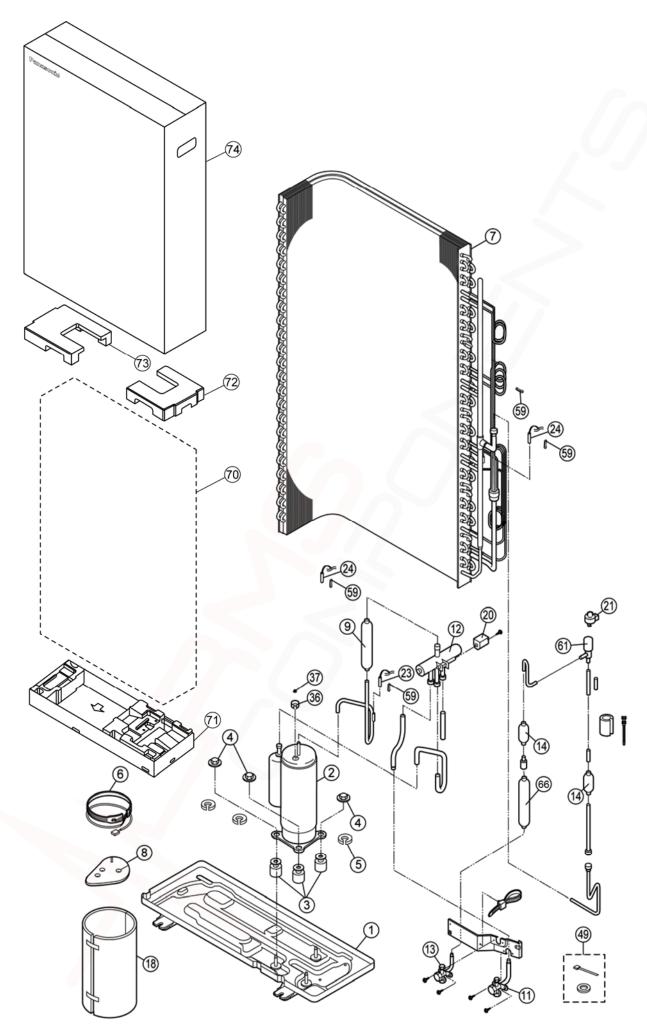
REF. NO.	PART NAME & DESCRIPTION	QTY	CU-RE24NKR	REMARKS
67	SHOCK ABSORBER (RIGHT)	1	CWG712879	
68	SHOCK ABSORBER (LEFT)	1	CWG712880	
69	C.C.CASE	1	CWG565546	

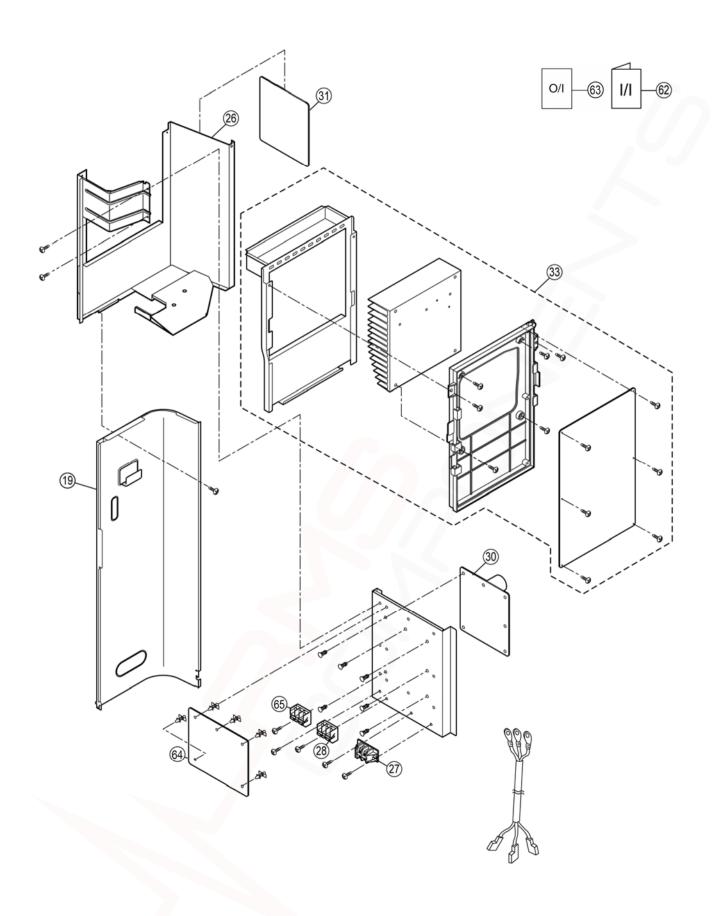
(Note)

- All parts are supplied from PAPAMY, Malaysia (Vendor Code: 00029488). "O" marked parts are recommended to be kept in stock.

18.2.3 CU-RE28NKR







Note

REF. NO.	PART NAME & DESCRIPTION	QTY	CU-RE28NKR	REMARKS
1	BASE PAN ASS'Y	1	CWD52K1295	
2	COMPRESSOR	1	5KD240XAF21	0
3	ANTI - VIBRATION BUSHING	3	CWH50055	
4	NUT - COMPRESSOR MOUNT	3	CWH561049	
5	PACKING	3	CWB811017	
6	CRANKCASE HEATER	1	CWA341080	
7	CONDENSER COMPLETE	1	CWB32C3300	
8	SOUND PROOF MATERIAL	1	CWG302246	
9	DISCHARGE MUFFLER	1	CWB121013	
11	3 WAYS VALVE (GAS)	1	CWB011251	0
12	4 WAYS VALVE	1	CWB001026J	
13	2 WAYS VALVE (LIQUID)	1	CWB021330	0
14	STRAINER	2	CWB111032	
18	SOUND PROOF MATERIAL	1	CWG302245	
19	SOUND PROOF BOARD	1	CWH151294	
20	V-COIL COMPLETE - 4-WAY VALVE	1	CWA43C2169J	
21	V-COIL COMPLETE - EXP.VALVE	1	CWA43C2128J	
23	SENSOR CO COMP TEMP	1	CWA50C2656	0
24	SENSOR CO AIR AND COND TEMP	1	CWA50C2652	0
25	CABINET REAR PLATE - COMPLETE	1	CWE02C1043	
26	CONTROL BOARD A'SSY	1	CWH10K1158	
27	TERMINAL BOARD ASSY	1	CWA28K1162	0
28	TERMINAL BOARD ASSY	1	CWA28K1076J	0
30	ELECTRONIC CONT CAPACITOR	1	CWA746775	0
31	ELECTRONIC CONT CAPACITOR ELECTRONIC CONTROLLER - NF	1	CWA746778	0
33	ELECTRONIC CONTROLLER - MAIN	1		0
34	REACTOR	1	CWA73C6935R G0C452J00002	
36	TERMINAL COVER	1	CWH171039A	
37				
	NUT - TERMINAL COVER FAN MOTOR BRACKET	1	CWD54K4063	
38		2	CWD54K1063	
39	SCREW - FAN MOTOR BRACKET		CWH551040J	
40	FAN MOTOR (UPPER)	1	ARW8405AC	
40a	FAN MOTOR (BOTTOM)	1	ARW8406AC	
41	SCREW - FAN MOTOR MOUNT	8	CWH55252J	
42	PROPELLER FAN ASS'Y	2	CWH03K1065	
43	NUT - PROPELLER FAN	2	CWH56053J	
44	CABINET FRONT PLATE ASSY	1	CWE06C1408	
45	DISCHARGE GRILLE	2	CWE201075	
46	CABINET SIDE PLATE ASS'Y	1	CWE04K1022A	
47	WIRE NET	1	CWD041129A	
48	CABINET TOP PLATE	1	CWE03C1095	
49	ACCESSORY CO. (DRAIN ELBOW)	1	CWG87C900	
51	L-SHAPED PLATE	1	CWD601074A	
52	L-SHAPED PLATE	1	CWD601075A	
53	CABINET FRONT PLATE	1	CWE061092A	
59	HOLDER SENSOR	3	CWH711010	
61	EXPANSION VALVE	1	CWB051018J	
62	INSTALLATION INSTRUCTION	1	CWF615544	
63	OPERATING INSTRUCTION	1	CWF568748	
64	ELECTRONIC CONTROLLER	1	CWA746558	0

REF. NO.	PART NAME & DESCRIPTION	QTY	CU-RE28NKR	REMARKS
65	TERMINAL BOARD ASSY	1	CWA28K1281	0
66	RECEIVER	1	CWB14017	
70	BAG	1	CWG861239	
71	BASE BOARD - COMPLETE	1	CWG62C1086	
72	SHOCK ABSORBER (RIGHT)	2	CWG712852	
73	SHOCK ABSORBER (LEFT)	1	CWG712854	
74	C.C.CASE	1	CWG567822	

(Note)

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