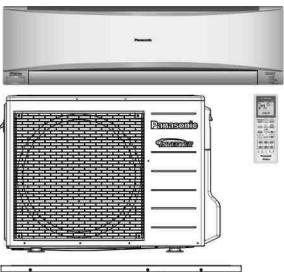
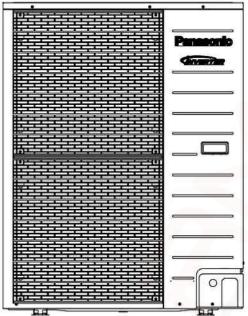
Service Manual

Air Conditioner



Indoor Unit CS-E24MKR CS-E28MKR

Outdoor Unit CU-E24MKR CU-E28MKR



/!\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 products dealt with in this service information by anyone else could result in serious injury or death.

PRECAUTION OF LOW TEMPERATURE

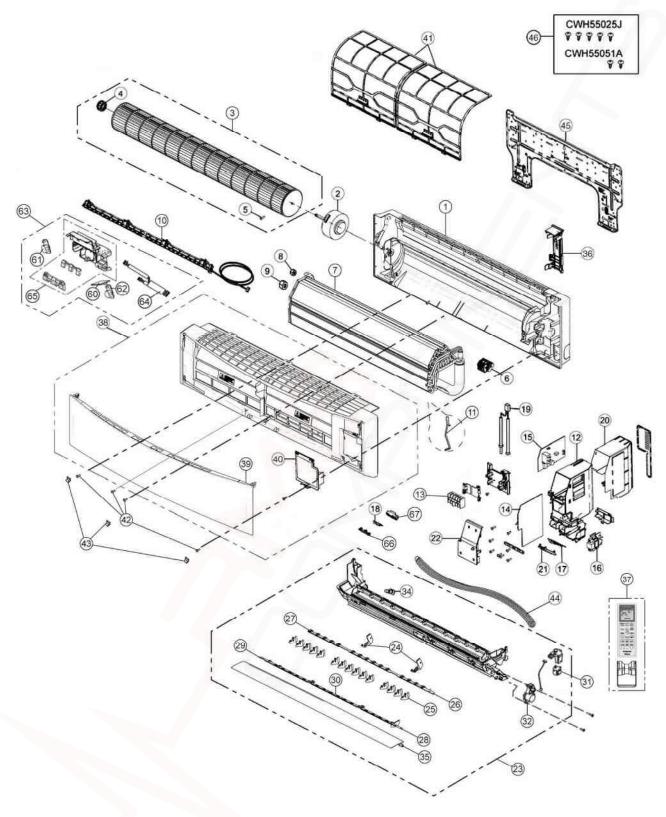
In order to avoid frostbite, be assured of no refrigerant leakage during the installation or repairing of refrigerant circuit.



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Exploded View and Replacement Parts List

19.1 Indoor Unit



Note

The above exploded view is for the purpose of parts disassembly and replacement. The non-numbered parts are not kept as standard service parts.

| REF. NO. | PART NAME & DESCRIPTION | QTY | CS-E24MKR | CS-E28MKR | REMARK |
|----------|--|-----|--------------------------|---------------------------------------|--------|
| 1 | CHASSIS COMPLETE | 1 | CWD50C1623 | ← | |
| 2 | FAN MOTOR | 1 | ARW7627AC | ← | 0 |
| 3 | CROSS FLOW FAN COMPLETE | 1 | CWH02C1077 | ← | |
| 4 | BEARING ASS'Y | 1 | CWH64K007 | ← | |
| 5 | SCREW - CROSS FLOW FAN | 1 | CWH551146 | ← | |
| 6 | ION GENERATOR | 1 | CWH94C0028 | ← | |
| 7 | EVAPORATOR | 1 | CWB30C3724 | CWB30C3767 | |
| 8 | FLARE NUT (LIQUID) | 1 | CWT251030 | ← | |
| 9 | FLARE NUT (GAS) | 1 | CWT251033 | ← | |
| 10 | E-ION AIR PURIFYING SYSTEM | 1 | CWD93C1090 | ← | |
| 11 | HOLDER SENSOR | 1 | CWH32143 | ← | |
| 12 | CONTROL BOARD CASING | 1 | CWH102370 | ← | |
| 13 | TERMINAL BOARD COMPLETE | 1 | CWA28C2357 | ← | 0 |
| 14 | ELECTRONIC CONTROLLER - MAIN | 1 | CWA73C6031 | CWA73C6070 | 0 |
| 15 | ELECTRONIC CONTROLLER - POWER | 1 | CWA746831 | ← | 0 |
| 16 | ELECTRONIC CONTROLLER - HVU | 1 | CWA745348 | ← | 0 |
| 17 | ELECTRONIC CONTROLLER - INDICATOR | 1 | CWA746281 | ← | 0 |
| 18 | ELECTRONIC CONTROLLER - RECEIVER | 1 | CWA745288 | ← | 0 |
| 19 | SENSOR COMPLETE | 1 | CWA50C2401 | ← | 0 |
| 20 | CONTROL BOARD TOP COVER | 1 | CWH131350 | ← | |
| 21 | INDICATOR HOLDER | 1 | CWD933021 | ← | |
| 22 | CONTROL BOARD FRONT COVER | 1 | CWH13C1183 | ← | |
| 23 | DISCHARGE GRILLE COMPLETE | 1 | CWE20C3124 | <u>←</u> | |
| 24 | FULCRUM | 2 | CWH621103 | <u>←</u> | |
| 25 | VERTICAL VANE | 15 | CWE241355 | <u>←</u> | |
| 26 | CONNECTING BAR | 1 | CWE261220 | · · | |
| 27 | CONNECTING BAR | 1 | CWE261158 | ← | |
| 28 | CONNECTING BAR | 1 | CWE261221 | <u>←</u> | |
| 29 | CONNECTING BAR | 1 | CWE261159 | ← | |
| 30 | CONNECTING BAR | 1 | CWE261160 | · ← | |
| 31 | A,S MOTOR, DC SINGLE 12V 300 OHM | 1 | CWA98K1015 | ← | 0 |
| 32 | A.S.MOTOR, DC SINGLE 12V 300 OHM | 1 | CWA981241 | · · · | 0 |
| 34 | CAP - DRAIN TRAY | 1 | CWH521096 | <u>·</u> | + - |
| 35 | HORIZONTAL VANE | 1 | CWE24C1364 | ← | |
| 36 | BACK COVER CHASSIS | 1 | CWD933031 | ` | |
| 37 | REMOTE CONTROL COMPLETE | 1 | CWA75C3826 | · ← | 0 |
| 38 | FRONT GRILLE COMPLETE | 1 | CWE11C5021 | · · · · · · · · · · · · · · · · · · · | 0 |
| 39 | INTAKE GRILLE COMPLETE | 1 | CWE22C1680 | · ← | + - |
| 40 | GRILLE DOOR | 1 | CWE14C1029 | <u>`</u> | |
| 41 | E-ION FILTER | 2 | CWD00K1017 | <u>←</u> | |
| 42 | SCREW - FRONT GRILLE | 3 | XTT4+16CFJ | <u>←</u> | + |
| 43 | CAP - FRONT GRILLE | 3 | CWH521194 | <u>←</u> | |
| 44 | DRAIN HOSE | 1 | CWH851173 | <u>←</u> | |
| 45 | INSTALLATION PLATE | 1 | CWH361098 | ← | |
| 46 | BAG COMPLETE - INSTALLATION SCREW | 1 | CWH82C1705 | <u>←</u> | |
| 60 | ELECTRONIC CONTROLLER (COMPARATOR) | 1 | CWA746205 | <u>←</u> | 0 |
| 61 | ELECTRONIC CONTROLLER (COMPARATOR) ELECTRONIC CONTROLLER (ECO SENSOR-L) | 1 | CWA746203 CWA745791 | | 0 |
| 62 | ELECTRONIC CONTROLLER (ECO SENSOR-R) | 1 | CWA746206 | ← ← | 0 |
| 63 | SENSOR COMPLETE (ECO) | 1 | CWA50C2759 | | 0 |
| 64 | LEAD WIRE - PCB ECO | 1 | CWA50C2759 CWA67C9218 | <u>←</u> | + - |
| | CONTROL BOARD CASING FOR PCB ECO | 1 | CWA67C9218 CWD93C1108 | <u>←</u> | + |
| 65 | CONTROL BOARD CASING FOR PUB ECO | I | CAADASCIIDQ | ← | |

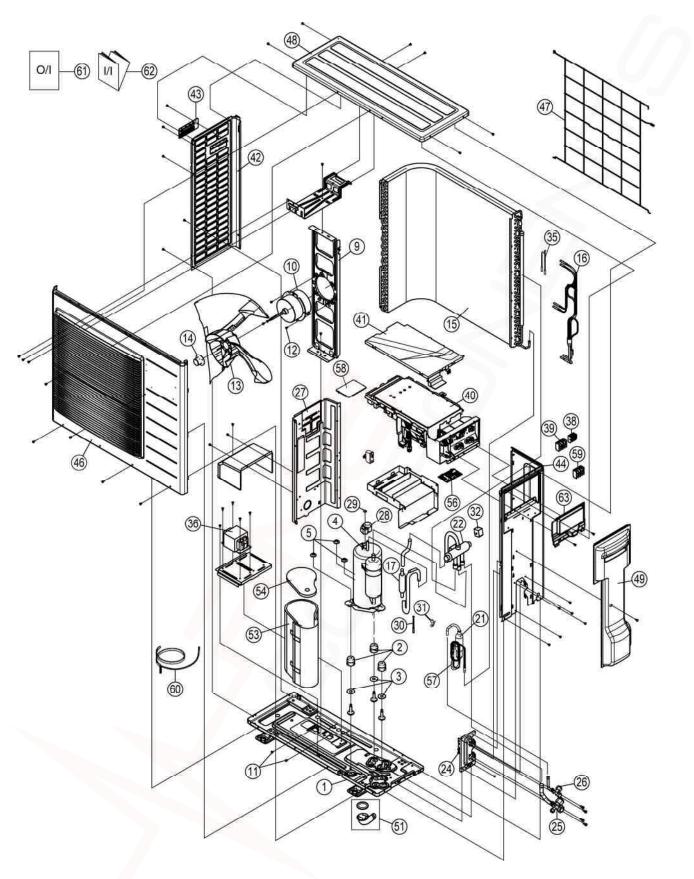
| 66 | COVER FOR RECEIVER (UPPER) | 1 | CWD933022 | ← | |
|----|-----------------------------|---|-----------|----------|--|
| 67 | COVER FOR RECEIVER (BOTTOM) | 1 | CWD933209 | ← | |

(Note)

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

19.2 Outdoor Unit

CU-E24MKR 19.2.1



Note

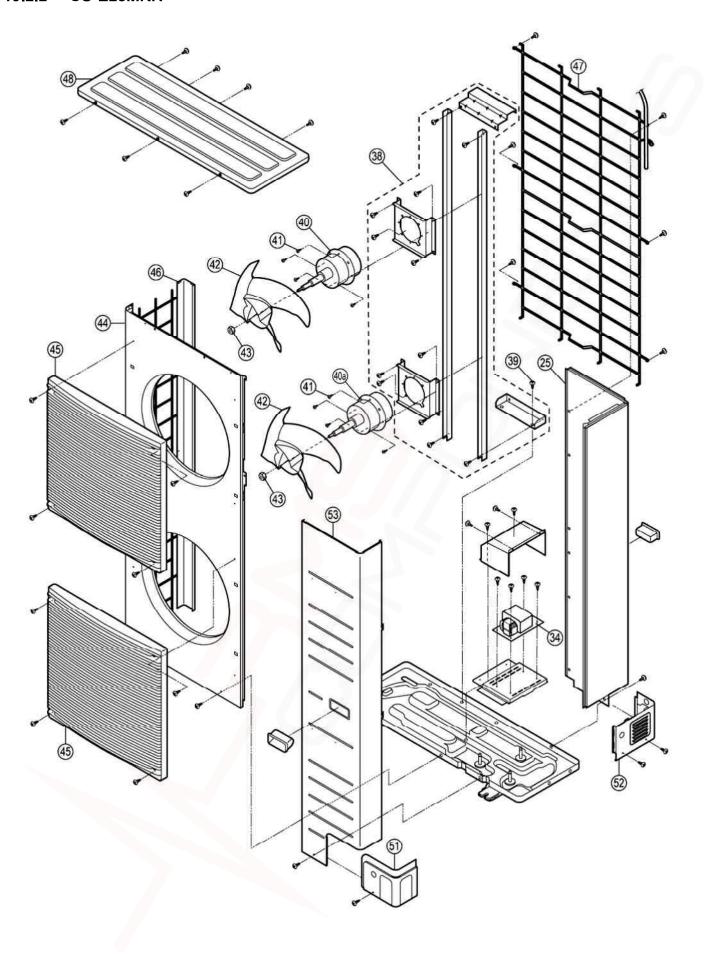
The above exploded view is for the purpose of parts disassembly and replacement. The non-numbered parts are not kept as standard service parts.

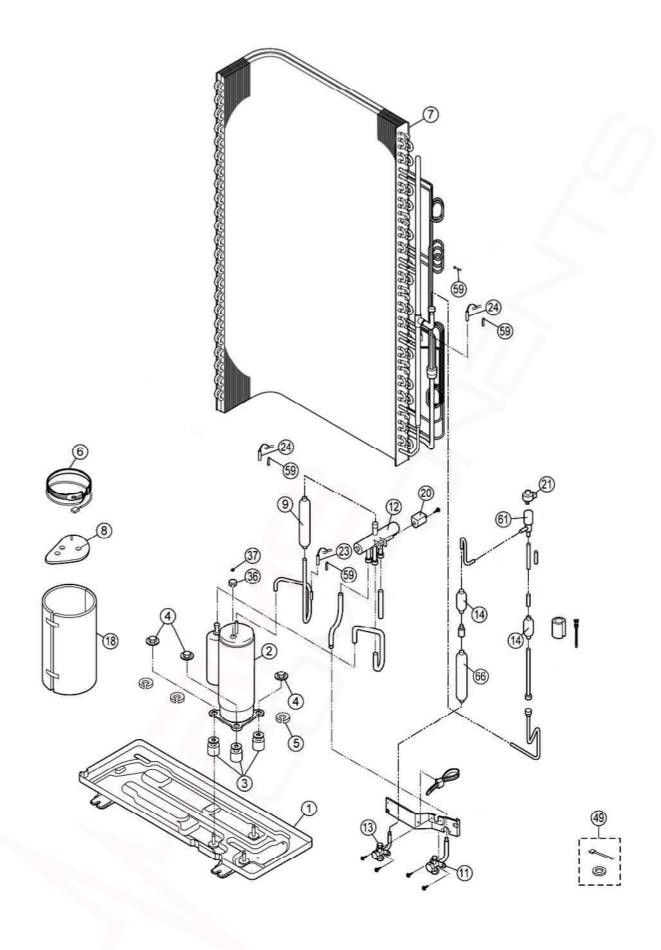
| 1 | REF. NO. | DESCRIPTION & NAME | QTY | CU-E24MKR | REMARK |
|---|----------|---------------------------------|-----|--------------|--------|
| PACKING 3 CWB81043 | 1 | CHASSIS ASS'Y | 1 | CWD52K1190 | |
| 1 | 2 | ANTI - VIBRATION BUSHING | 3 | CWH50055 | |
| 5 NUT - COMPRESSOR MOUNT 3 CWH561049 9 FAN MOTOR BRACKET 1 CWD541127 10 FAN MOTOR BRACKET 3 CWH551217 11 SCREW - FAN MOTOR BRACKET 3 CWH551018J 12 SCREW - FAN MOTOR MOUNT 3 CWH551018J 13 PROPELLER FAN 1 CWH061006 14 NUT - PROPELLER FAN 1 CWH561038J 15 CONDENISER COMPLETE 1 CWB3203295 16 TUBE ASSY (CAP,TUBE) 1 CWH561038J 17 DISCHARGE MUFFLER 1 CWB10300 22 4 WAYS VALVE (REW 1 CWB01030 22 4 WAYS VALVE (GAS) 1 CWB011363 O 24 HOLDER - COUPLING 1 CWB011363 O 25 3 WAYS VALVE (GAS) 1 CWB011363 O 26 2 WAYS VALVE (GAS) 1 CWB11363 O 27 SUND PROCP BOADD 1 CWB11563 O <t< td=""><td>3</td><td>PACKING</td><td>3</td><td>CWB81043</td><td></td></t<> | 3 | PACKING | 3 | CWB81043 | |
| 9 FAN MOTOR BRACKET 10 FAN MOTOR 11 SCREW - FAN MOTOR BRACKET 31 CWH-551217 12 SCREW - FAN MOTOR MOUNT 31 CWH-551016. 13 PROPELLER FAN ASY 1 CWH-551016. 14 NUT - PROPELLER FAN ASY 1 CWH-551016. 15 CONDENSER COMPLETE 1 CWH-551038. 16 CUNESSER COMPLETE 1 CWH-551038. 17 DISCHARGE MUFFLER 1 CWH-51038. 18 CWH-551016. 19 CWH-551038. 10 CWH-551038. 10 CWH-551038. 11 CWH-51038. 11 CWH-51038. 11 CWH-51038. 11 CWH-51038. 11 CWH-51038. 12 RECEIVER 1 CWH-5103. 11 CWH-5103. 12 RECEIVER 1 CWH-5103. 12 HOLDER - COUPLING 1 CWH-5103. 12 WH-5103. 13 WAYS VALVE (SAS) 1 CWH-5103. 14 WAYS VALVE (SAS) 1 CWH-5103. 15 SUND PROOF BOARD 1 CWH-511277 17 SOUND PROOF BOARD 1 CWH-511277 18 TERMINAL COVER 1 CWH-71039A 1 CWH-710 | 4 | COMPRESSOR | 1 | 5KD240XAF21 | 0 |
| 10 | 5 | NUT - COMPRESSOR MOUNT | 3 | CWH561049 | |
| 11 | 9 | FAN MOTOR BRACKET | 1 | CWD541127 | |
| 12 SCREW-FAN MOTOR MOUNT 3 CWH551016J 13 PROPELER FAN ASSY 1 CWH00K1006 14 NUT - PROPELER FAN 1 CWH50K1006 15 CONDENSER COMPLETE 1 CWB32C3295 16 TUBE ASSY (CAP.TUBE) 1 CWF01C5849 17 DISCHARGE MUFFLER 1 CWB121013 17 DISCHARGE MUFFLER 1 CWB121013 17 DISCHARGE MUFFLER 1 CWB14030 17 DISCHARGE MUFFLER 1 CWB14030 17 CWB14030 17 CWB01026J 1 CWB01026J 1 CWB01026J 1 CWB01026J 1 CWB01026J 1 CWB01026J 1 CWB011363 0 1 CWB011377 0 CWB011377 0 CWB011377 0 CWB011377 0 CWB011377 0 CWB011377 CW | 10 | FAN MOTOR | 1 | EHDS80C60AC | 0 |
| 13 | 11 | SCREW - FAN MOTOR BRACKET | 3 | CWH551217 | |
| 14 NUT - PROPELLER FAN | 12 | SCREW - FAN MOTOR MOUNT | 3 | CWH551016J | |
| 15 | 13 | PROPELLER FAN ASS'Y | 1 | CWH00K1006 | |
| 16 | 14 | NUT - PROPELLER FAN | 1 | CWH561038J | |
| 17 | 15 | CONDENSER COMPLETE | 1 | CWB32C3295 | |
| 21 RECEIVER | 16 | TUBE ASSY (CAP.TUBE) | 1 | CWT01C5849 | |
| 22 4 WAYS VALVE 1 CW8001028J 24 HOLDER - COUPLING 1 CW1551057 25 3 WAYS VALVE (GAS) 1 CW8011363 O 26 2 WAYS VALVE (LIQUID) 1 CW8021434 O 27 SOUND PROOF BOARD 1 CWH151277 28 TERNINAL COVER 1 CWH71039A 29 NUT - TERMINAL COVER 1 CWH7080300J 30 SENSOR COGOMP TEMP 1 CWA50C2566 O 31 HOLDER SENSOR 1 CWH711010 O 32 V-COIL COMPLETE 1 CWA50C2566 O 31 HOLDER SENSOR 1 CWH711010 O 32 V-COIL COMPLETE 1 CWA50C2517 O 35 SENSOR COAIR AND COND TEMP 1 CWA50C2517 O 36 REACTOR 1 GOC452U00002 O 38 TERMINAL BOARD ASSY 1 CWA28K176J O 40 ELECTRON | 17 | DISCHARGE MUFFLER | 1 | CWB121013 | |
| 24 HOLDER - COUPLING 1 CWH351057 25 3 WAYS VALVE (GAS) 1 CWB011363 O 26 2 WAYS VALVE (LIQUID) 1 CWB021434 O 27 SOUND PROOF BOARD 1 CWH151277 28 TERMINAL COVER 1 CWH171039A 29 NUT - TERMINAL COVER 1 CWH77080300J 30 SENSOR COCOMP TEMP 1 CWA5002656 O 31 HOLDER SENSOR 1 CWH711010 CW4711010 32 V-COIL COMPLETE 1 CWA4302169J CW45022517 O 35 SENSOR COAIR AND COND TEMP 1 CWA5022517 O O 36 REACTOR 1 GOV452J00002 T CWA28K1076J O 38 TERMINAL BOARD ASSY 1 CWA28K106J O O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA28K1162 O <td< td=""><td>21</td><td>RECEIVER</td><td>1</td><td>CWB14030</td><td></td></td<> | 21 | RECEIVER | 1 | CWB14030 | |
| 25 3 WAYS VALVE (GAS) 1 CWB011363 O 26 2 WAYS VALVE (LIQUID) 1 CWB021434 O 27 SOUND PROOF BOARD 1 CWH151277 28 TERMINAL COVER 1 CWH171039A 29 NUT - TERMINAL COVER 1 CWH171039A 29 NUT - TERMINAL COVER 1 CWH171039A 30 SENSOR CO - COMP TEMP 1 CWA50C2656 O 31 HOLDER SENSOR 1 CWH711010 32 V-COIL COMPLETE 1 CWA50C2657 O 35 SENSOR CO - AIR AND COND TEMP 1 CWA50C2657 O 36 REACTOR 1 GOC452J00002 38 TERMINAL BOARD ASSY 1 CWA28K1162 O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA73C6030R O 41 CONTROL BOARD COVER (TOP) 1 CWH31333 42 CABINET SIDE PLATE (L) 1 CWE041317A 43 HANDLE 1 CWE041317A 44 CABINET SIDE PLATE (R) 1 CWE061160 46 CABINET SIDE PLATE (R) 1 CWE06119A 47 WIRE NET 1 CWE06119A 48 CABINET TOP PLATE ASSY 1 CWE06K1063 47 WIRE NET 1 CWH31C18A 48 CABINET TOP PLATE ASSY 1 CWE06K1063 49 CONTROL BOARD COVER (R) 1 CWH313185 51 ACCESSORY CO (DRAIN ELBOW) 1 CWG302245 54 SOUND PROOF MATERIAL 1 CWG302245 55 ELECTRONIC CONT-NOISE FILTER 1 CWA736692 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWH163772 O 58 TERMINAL BOARD ASSY 1 CWE06H395 58 ELECTRONIC CONT - DEMAND CONTROL 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA56H33 162 INSTALLATION INSTRUCTION 1 CWF6H3915 | 22 | 4 WAYS VALVE | 1 | CWB001026J | |
| 26 2 WAYS VALVE (LIQUID) 1 CWB021434 O 27 SOUND PROOF BOARD 1 CWH171039A 28 TERMINAL COVER 1 CWH171039A 29 NUT - TERMINAL COVER 1 CWH7080300J 30 SENSOR COCOMP TEMP 1 CWA50C2656 O 31 HOLDER SENSOR 1 CWH711010 32 V-COIL COMPLETE 1 CWA43C2169J 33 SENSOR COAIR AND COND TEMP 1 CWA38C26517 O 36 REACTOR 1 G0C452J00002 O 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA38C3030R O 41 CONTROL BOARD COVER (TOP) 1 CWH131333 O 42 CABINET SIDE PLATE (L) 1 CWE041317A A 43 HANDLE 1 CWE041317A A | 24 | HOLDER - COUPLING | 1 | CWH351057 | |
| 27 SOUND PROOF BOARD 1 CWH151277 28 TERMINAL COVER 1 CWH771039A 29 NUT - TERMINAL COVER 1 CWH7080300J 30 SENSOR COCOMP TEMP 1 CWH501010 31 HOLDER SENSOR 1 CWH711010 32 V-COIL COMPLETE 1 CWA43C2169J 35 SENSOR COAIR AND COND TEMP 1 CWA28C2169J 36 REACTOR 1 GOC452J00002 36 REACTOR 1 GOC452J00002 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1062 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA28K1062 O 41 CONTROL BOARD COVER (TOP) 1 CWH131333 42 CABINET SIDE PLATE (L) 1 CWE041317A 43 HANDLE 1 CWE041317A 44 CABINET FRONT PLATE ASSY 1 CWE061063 47 | 25 | 3 WAYS VALVE (GAS) | 1 | CWB011363 | 0 |
| 28 TERMINAL COVER 1 CWH171039A 29 NUT - TERMINAL COVER 1 CWH7080300J 30 SENSOR COCOMP TEMP 1 CWA50C2656 O 31 HOLDER SENSOR 1 CWH711010 32 V-COIL COMPLETE 1 CWA43C2169J 35 SENSOR COAIR AND COND TEMP 1 CWA50C2517 O 36 REACTOR 1 G0C452J00002 O 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWB28K1162 O 41 CONTROL BOARD COVER (TOP) 1 CWE041317A CWE041317A 43 HANDLE 1 CWE041317 | 26 | 2 WAYS VALVE (LIQUID) | 1 | CWB021434 | 0 |
| 29 | 27 | SOUND PROOF BOARD | 1 | CWH151277 | |
| 30 SENSOR COCOMP TEMP | 28 | TERMINAL COVER | 1 | CWH171039A | |
| 31 | 29 | NUT - TERMINAL COVER | 1 | CWH7080300J | |
| 32 V-COIL COMPLETE 1 CWA43C2169J 35 SENSOR COAIR AND COND TEMP 1 CWA50C2517 O 36 REACTOR 1 G0C452J00002 O 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA73C6030R O 41 CONTROL BOARD COVER (TOP) 1 CWH131333 O 42 CABINET SIDE PLATE (L) 1 CWE041317A CWE041317A 43 HANDLE 1 CWE041319A CWE0416010 44 CABINET SIDE PLATE (R) 1 CWE041319A CWE041319A 46 CABINET FRONT PLATE ASSY 1 CWE061063 CWE061063 47 WIRE NET 1 CWE061063 CWE061063 47 WIRE NET 1 CWE061063 CWE061063 49 CONTROL BOARD COVER (R) 1 CWH1301185 CWE061063 51 <td>30</td> <td>SENSOR COCOMP TEMP</td> <td>1</td> <td>CWA50C2656</td> <td>0</td> | 30 | SENSOR COCOMP TEMP | 1 | CWA50C2656 | 0 |
| 35 SENSOR COAIR AND COND TEMP 1 CWA50C2517 O 36 REACTOR 1 G0C452J00002 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA73C6030R O 41 CONTROL BOARD COVER (TOP) 1 CWH131333 42 CABINET SIDE PLATE (L) 1 CWE041317A 43 HANDLE 1 CWE041319A 44 CABINET SIDE PLATE (R) 1 CWE041319A 46 CABINET FRONT PLATE ASSY 1 CWE0681063 47 WIRE NET 1 CWE0681063 47 WIRE NET 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 CWA746792 | 31 | HOLDER SENSOR | 1 | CWH711010 | |
| 36 REACTOR 1 G0C452J00002 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA73C6030R O 41 CONTROL BOARD COVER (TOP) 1 CWH131333 42 CABINET SIDE PLATE (L) 1 CWE041317A 43 HANDLE 1 CWE041317A 44 CABINET SIDE PLATE (R) 1 CWE041319A 46 CABINET FRONT PLATE ASSY 1 CWE06K1063 47 WIRE NET 1 CWE041128A 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 CWG302246 54 SOUND PROOF MATERIAL 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWA746792 <td>32</td> <td>V-COIL COMPLETE</td> <td>1</td> <td>CWA43C2169J</td> <td></td> | 32 | V-COIL COMPLETE | 1 | CWA43C2169J | |
| 38 TERMINAL BOARD ASSY 1 CWA28K1076J O 39 TERMINAL BOARD ASSY 1 CWA28K1162 O 40 ELECTRONIC CONTROLLER - MAIN 1 CWA73C6030R O 41 CONTROL BOARD COVER (TOP) 1 CWH131333 42 CABINET SIDE PLATE (L) 1 CWE041317A 43 HANDLE 1 CWE061010 44 CABINET SIDE PLATE (R) 1 CWE041319A 46 CABINET FRONT PLATE ASSY 1 CWE06K1063 47 WIRE NET 1 CWE031083A 48 CABINET TOP PLATE 1 CWE031083A 49 CONTROL BOARD COVER (R) 1 CWH3121185 51 ACCESSORY CO. (DRAIN ELBOW) 1 CWG87C900 53 SOUND PROOF MATERIAL 1 CWG302245 54 SOUND PROOF MATERIAL 1 CWG302246 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 | 35 | SENSOR COAIR AND COND TEMP | 1 | CWA50C2517 | 0 |
| TERMINAL BOARD ASSY | 36 | REACTOR | 1 | G0C452J00002 | |
| 40 ELECTRONIC CONTROLLER - MAIN 1 CWA73C6030R O 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 CWE031083A 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 <t< td=""><td>38</td><td>TERMINAL BOARD ASSY</td><td>1</td><td>CWA28K1076J</td><td>0</td></t<> | 38 | TERMINAL BOARD ASSY | 1 | CWA28K1076J | 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWG341047 61 OPERATING INSTRUCTION 1 CWF614915 <td>39</td> <td>TERMINAL BOARD ASSY</td> <td>1</td> <td>CWA28K1162</td> <td>0</td> | 39 | TERMINAL BOARD ASSY | 1 | CWA28K1162 | 0 |
| 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWG341047 61 OPERATING INSTRUCTION 1 CWF614915 | 40 | ELECTRONIC CONTROLLER - MAIN | 1 | CWA73C6030R | 0 |
| 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 O 61 OPERATING INSTRUCTION 1 CWF614915 | 41 | CONTROL BOARD COVER (TOP) | 1 | CWH131333 | |
| 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF6614915 | 42 | CABINET SIDE PLATE (L) | 1 | CWE041317A | |
| 46 CABINET FRONT PLATE ASSY 1 CWE06K1063 47 WIRE NET 1 CWD041128A 48 CABINET TOP PLATE 1 CWE031083A 49 CONTROL BOARD COVER (R) 1 CWH3C1185 51 ACCESSORY CO. (DRAIN ELBOW) 1 CWG87C900 53 SOUND PROOF MATERIAL 1 CWG302245 54 SOUND PROOF MATERIAL 1 CWG302246 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF614915 | 43 | HANDLE | 1 | CWE161010 | |
| 46 CABINET FRONT PLATE ASSY 1 CWE06K1063 47 WIRE NET 1 CWD041128A 48 CABINET TOP PLATE 1 CWE031083A 49 CONTROL BOARD COVER (R) 1 CWH3C1185 51 ACCESSORY CO. (DRAIN ELBOW) 1 CWG87C900 53 SOUND PROOF MATERIAL 1 CWG302245 54 SOUND PROOF MATERIAL 1 CWG302246 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF614915 | 44 | CABINET SIDE PLATE (R) | 1 | CWE041319A | |
| 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | 46 | | 1 | CWE06K1063 | |
| 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 CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | 47 | WIRE NET | 1 | CWD041128A | |
| 51 ACCESSORY CO. (DRAIN ELBOW) 1 CWG87C900 53 SOUND PROOF MATERIAL 1 CWG302245 54 SOUND PROOF MATERIAL 1 CWG302246 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | 48 | CABINET TOP PLATE | 1 | CWE031083A | |
| 53 SOUND PROOF MATERIAL 1 CWG302245 54 SOUND PROOF MATERIAL 1 CWG302246 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | 49 | CONTROL BOARD COVER (R) | 1 | CWH13C1185 | |
| 54 SOUND PROOF MATERIAL 1 CWG302246 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | 51 | ACCESSORY CO. (DRAIN ELBOW) | 1 | CWG87C900 | |
| 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | 53 | SOUND PROOF MATERIAL | 1 | CWG302245 | |
| 56 ELECTRONIC CONTNOISE FILTER 1 CWA746792 O 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | | SOUND PROOF MATERIAL | | | |
| 57 TUBE ASSY (CAP.TUBE & RECEIVER) 1 CWT01C5851 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | | | | | 0 |
| 58 ELECTRONIC CONT - DEMAND CONTROL 1 CWH14C8772 O 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | | TUBE ASSY (CAP.TUBE & RECEIVER) | | | |
| 59 TERMINAL BOARD ASSY 1 CWA28K1242 O 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | | | | | 0 |
| 60 CRANKCASE HEATER 1 CWA341047 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | | | | | |
| 61 OPERATING INSTRUCTION 1 CWF568133 62 INSTALLATION INSTRUCTION 1 CWF614915 | | | | | 1 |
| 62 INSTALLATION INSTRUCTION 1 CWF614915 | | | | | |
| | | | | | |
| | 63 | CONTROL BOARD CASING (SIDE) | 1 | CWH102454 | |

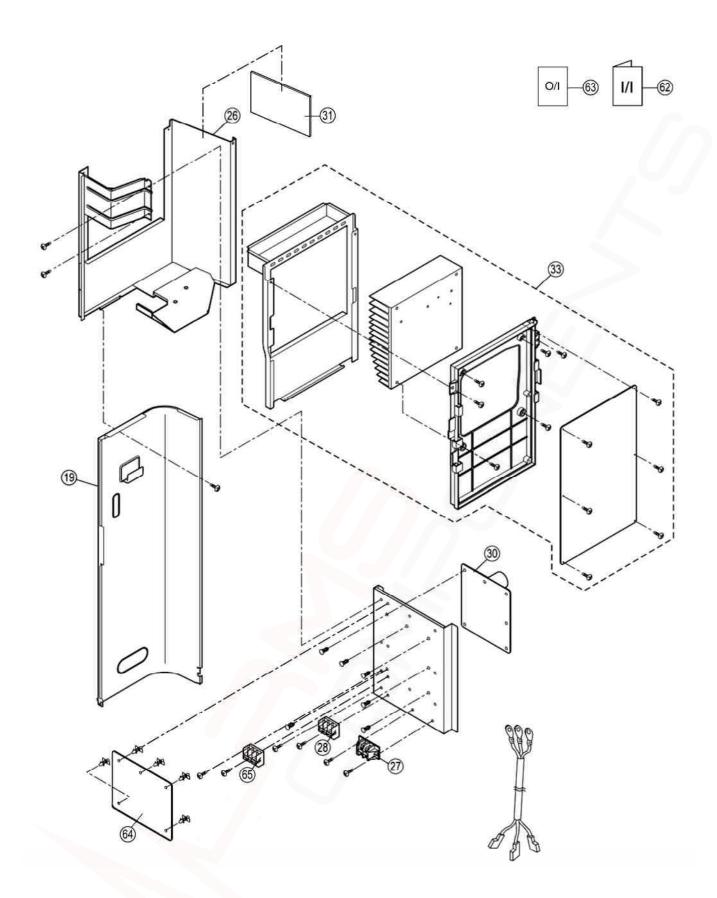
(Note)

[•] All parts are supplied from PHAAM, Malaysia (Vendor Code: 00029488). "O" marked parts are recommended to be kept in stock.

19.2.2 CU-E28MKR







Note
The above exploded view is for the purpose of parts disassembly and replacement.
The non-numbered parts are not kept as standard service parts.

| REF. NO. | DESCRIPTION & NAME | QTY | CU-E28MKR | REMARK |
|----------|--------------------------------------|-----|--------------------------|--------|
| 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 | 1 | CWB111032 | |
| 18 | SOUND PROOF MATERIAL | 1 | CWG302245 | |
| 19 | SOUND PROOF BOARD | 1 | CWH151294 | |
| 20 | V-COIL COMPLETE | 1 | CWA43C2169J | |
| 21 | V-COIL COMPLETE | 1 | CWA43C2128J | |
| 23 | SENSOR COCOMP (DISCHARGE) | 1 | CWA50C2656 | 0 |
| 24 | SENSOR COAIR AND COND TEMP | 1 | CWA50C2652 | 0 |
| 25 | CABINET REAR PLATE - COMPLETE | 1 | CWE02C1043 | |
| 26 | CONTROL BOARD CASING | 1 | CWH10K1158 | |
| 27 | TERMINAL BOARD ASSY | 1 | CWA28K1162 | 0 |
| 28 | TERMINAL BOARD ASSY | 1 | CWA28K1076J | 0 |
| 30 | ELECTRONIC CONTROLLER - CAPACITOR | 1 | CWA746775 | 0 |
| 31 | ELECTRONIC CONTROLLER - NOISE FILTER | 1 | CWA746773 | 0 |
| 33 | ELECTRONIC CONTROLLER - MAIN | 1 | CWA746738 CWA73C5971R | 0 |
| 34 | REACTOR | 1 | G0C452J00002 | |
| 36 | TERMINAL COVER | 1 | CWH171039A | |
| 37 | NUT - TERMINAL COVER | 1 | CWH7080300J | |
| 38 | FAN MOTOR BRACKET | 1 | CWD54K1063 | |
| 39 | SCREW - FAN MOTOR BRACKET | 2 | CWH551040J | |
| 40 | FAN MOTOR (UPPER) | 1 | L6CBYYYL0084 | 0 |
| | FAN MOTOR (OFFER) | | L6CBYYYL0085 | |
| 40a | | 1 | | 0 |
| 41 | SCREW - FAN MOTOR MOUNT | 8 | CWH551016J CWH03K1016 | |
| 42 | PROPELLER FAN ASS'Y | 2 | CWH56053J | |
| 43 | NUT - PROPELLER FAN | 2 | | |
| 44 | CABINET FRONT PLATE ASSY | 1 | CWE061092A | |
| 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 (FRONT) | 1 | CWD601074A | |
| 52 | L-SHAPED PLATE (BACK) | 1 | CWD601075A | |
| 53 | CABINET FRONT PLATE-COMPLETE | 1 | CWE06C1224 | |
| 59 | HOLDER SENSOR | 3 | CWH711010 | |
| 61 | EXP. VALVE | 1 | CWB051018J | |
| 62 | INSTALLATION INSTRUCTION | 1 | CWF615015 | |
| 63 | OPERATING INSTRUCTION | 1 | CWF568133 | |
| 64 | ELECTRONIC CONT - DEMAND CONTROL | 1 | CWA746558 | 0 |

| 65 | TERMINAL BOARD ASSY | 1 | CWA28K1242 | 0 | |
|----|---------------------|---|------------|---|---|
| 66 | RECEIVER | 1 | CWB14017 |] | Ī |

(Note)

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