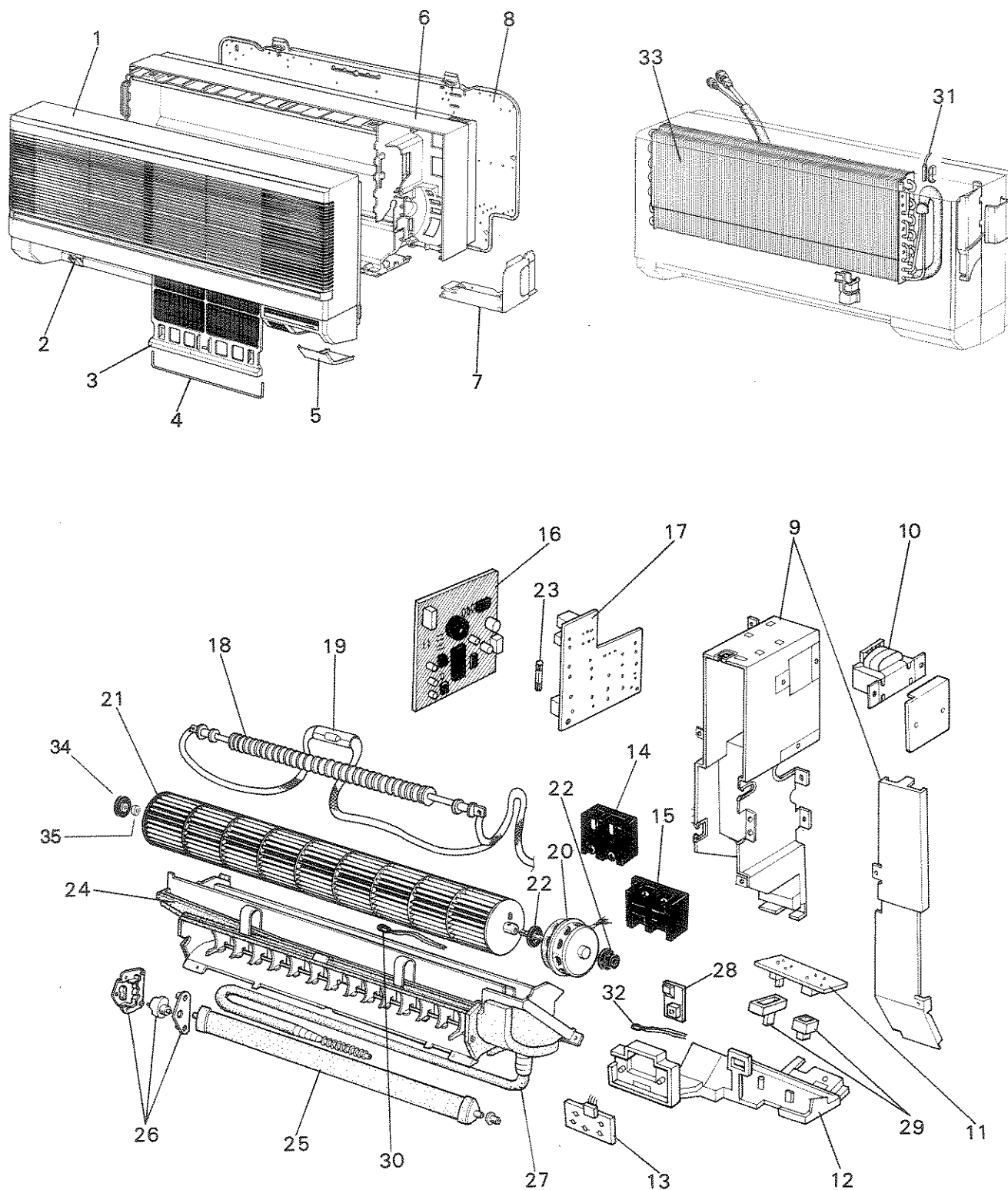


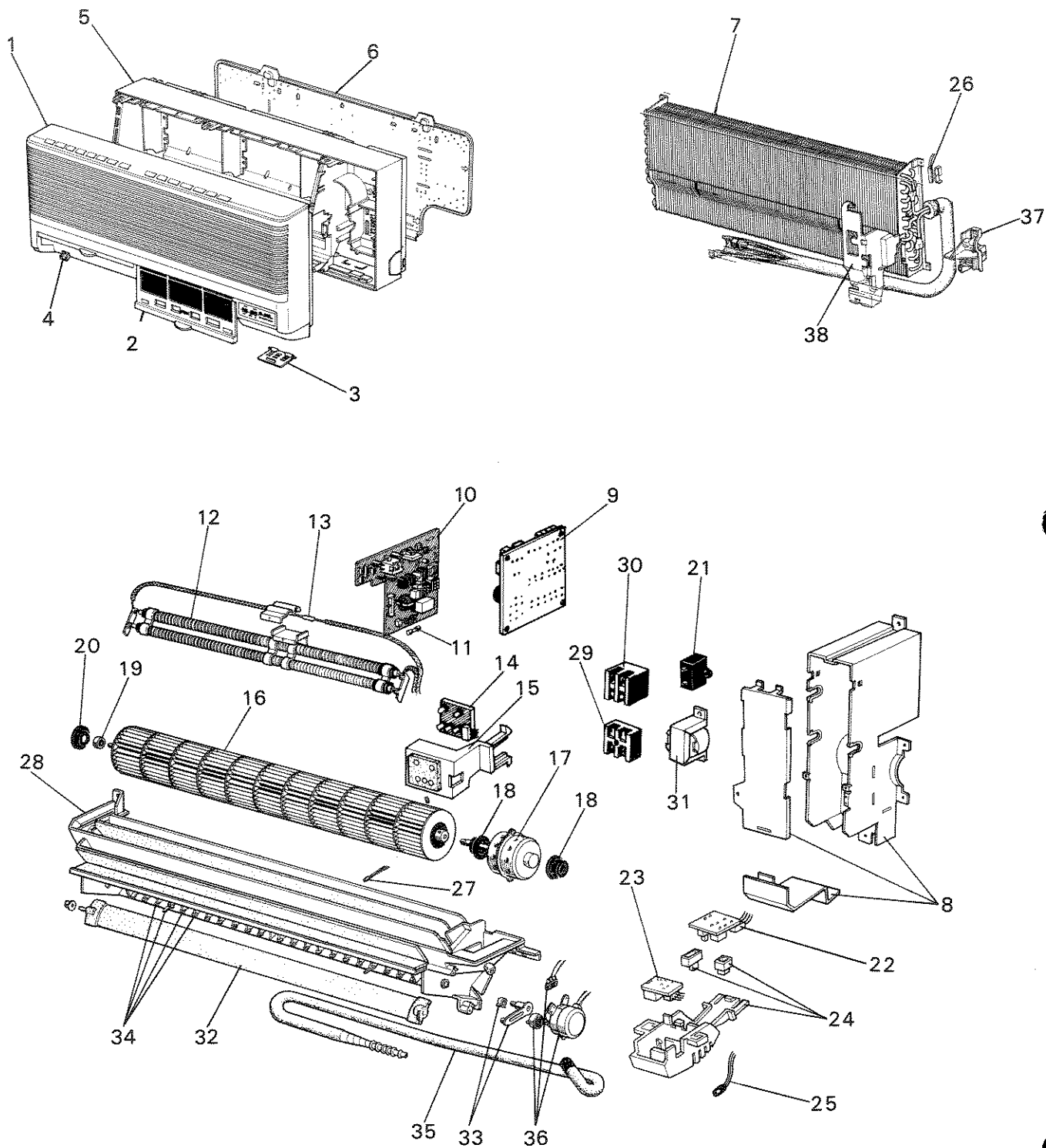
# 13 STANDARD PARTS

## INDOOR UNIT PARTS MSH09EW



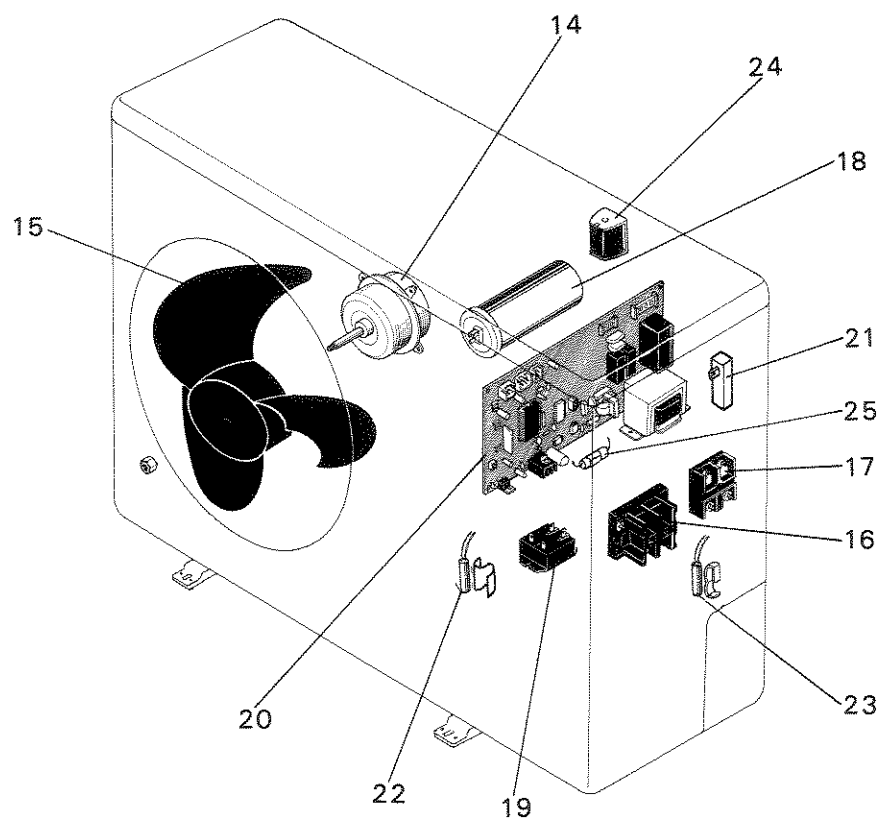
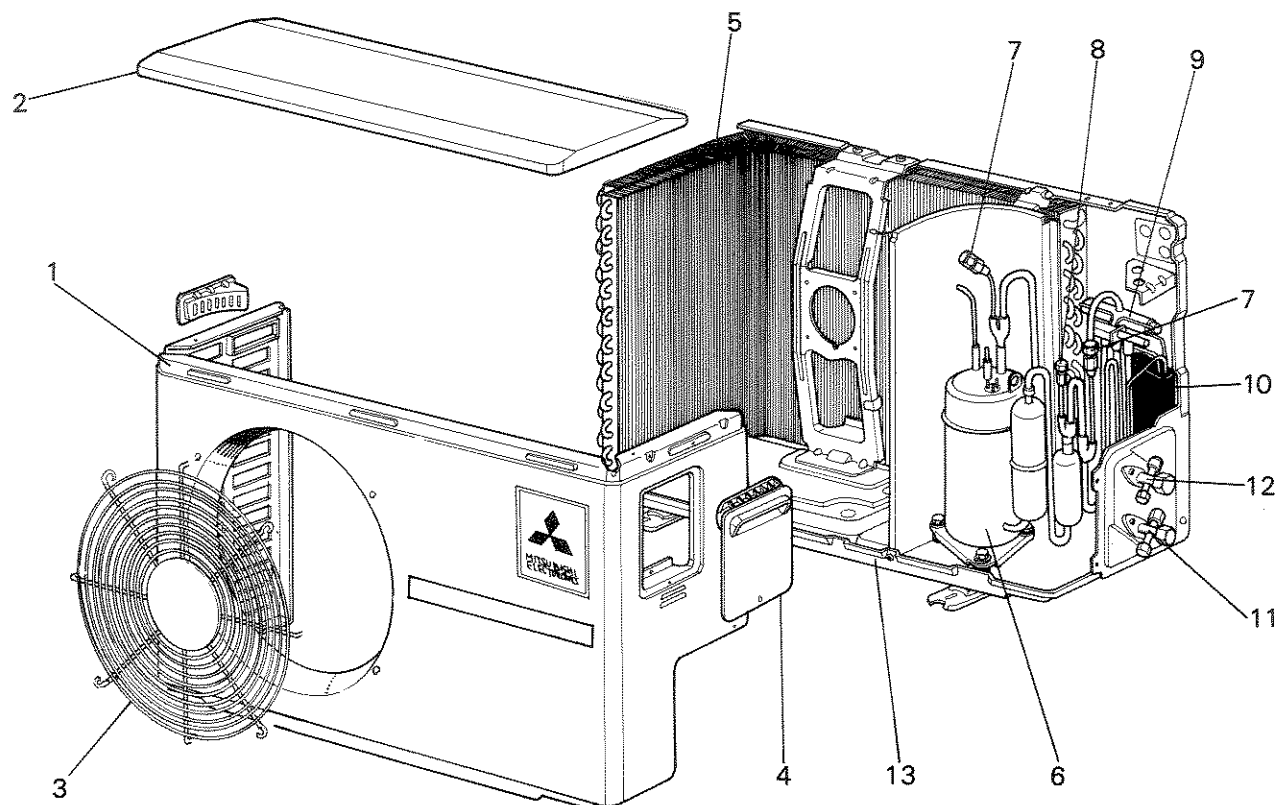
| No. | Parts No.   | Parts Name                  | Symbol<br>in<br>Wiring<br>Diagram | Q'ty/unit | Remarks                      |
|-----|-------------|-----------------------------|-----------------------------------|-----------|------------------------------|
|     |             |                             |                                   | MSH09EW   |                              |
| 1   | T2W 902 000 | FRONT PANEL ASSEMBLY        |                                   | 1         | Air filter wire is included. |
| 2   | T2W 901 067 | SCREW CAP                   |                                   | 2         |                              |
| 3   | T2W 901 100 | AIR FILTER                  |                                   | 2         |                              |
| 4   | M21 K17 022 | AIR FILTER WIRE             |                                   | 2         |                              |
| 5   | T2W 901 004 | SWITCH DOOR                 |                                   | 1         |                              |
| 6   | T2W 902 234 | BOX ASSEMBLY                |                                   | 1         |                              |
| 7   | T2W 901 975 | CORNER BOX                  |                                   | 1         |                              |
| 8   | M21 B00 970 | INSTALLATION PLATE          |                                   | 1         |                              |
| 9   | T2W 901 081 | ELECTRICAL BOX              |                                   | 1         |                              |
| 10  | T2W 902 339 | TRANSFORMER                 | T                                 | 1         |                              |
| 11  | T2W 902 443 | SWITCH P.C. BOARD           |                                   | 1         |                              |
| 12  | T2W 712 781 | LAMP HOLDER                 |                                   | 1         |                              |
| 13  | T2W 902 329 | DISPLAY P.C. BOARD          |                                   | 1         |                              |
| 14  | M21 534 375 | TERMINAL BLOCK              | TB2                               | 1         |                              |
| 15  | T2W 901 375 | TERMINAL BLOCK              | TB1                               | 1         |                              |
| 16  | T2W 902 450 | ELECTRIC CONTROL P.C. BOARD |                                   | 1         |                              |
| 17  | T2W 902 440 | POWER P.C. BOARD            |                                   | 1         |                              |
| 18  | T2W 902 380 | HEATER                      | H                                 | 1         | 1kW                          |
| 19  | T2W 902 383 | THERMAL FUSE                | FS                                | 1         | 336°F 167°C 10A              |
| 20  | T2W 901 300 | INDOOR FAN MOTOR            | MF                                | 1         | RA4W11-AA                    |
| 21  | M21 G62 302 | LINE FLOW FAN               |                                   | 1         |                              |
| 22  | M21 453 505 | RUBBER MOUNT                |                                   | 2         |                              |
| 23  | T2W 416 382 | FUSE (2A)                   | F                                 | 1         |                              |
| 24  | T2W 902 235 | NOZZLE ASSEMBLY             |                                   | 1         |                              |
| 25  | T2W 901 040 | VANE                        |                                   | 1         |                              |
| 26  | M21 B00 041 | VANE HOLDER                 |                                   | 1         |                              |
| 27  | M21 B03 703 | DRAIN HOSE                  |                                   | 1         |                              |
| 28  | M21 N00 468 | RECEIVER P.C. BOARD         |                                   | 1         |                              |
| 29  | T2W 901 320 | KNOB (SLIDE)                |                                   | 1         |                              |
| 30  | T2W 902 308 | HEATER CONTROL THERMISTOR   | RT13                              | 1         |                              |
| 31  | M21 AD4 307 | INDOOR COIL THERMISTOR      | RT12                              | 1         |                              |
| 32  | T2W 723 307 | ROOM TEMP. THERMISTOR       | RT11                              | 1         |                              |
| 33  | M21 J35 620 | INDOOR HEAT EXCHANGER       |                                   | 1         |                              |
| 34  | M21 B00 509 | BEARING MOUNT               |                                   | 1         |                              |
| 35  | M21 B00 504 | SLEEVE BEARING              |                                   | 1         |                              |

# **INDOOR UNIT PARTS** **MSH12EN** **MSH15EN**



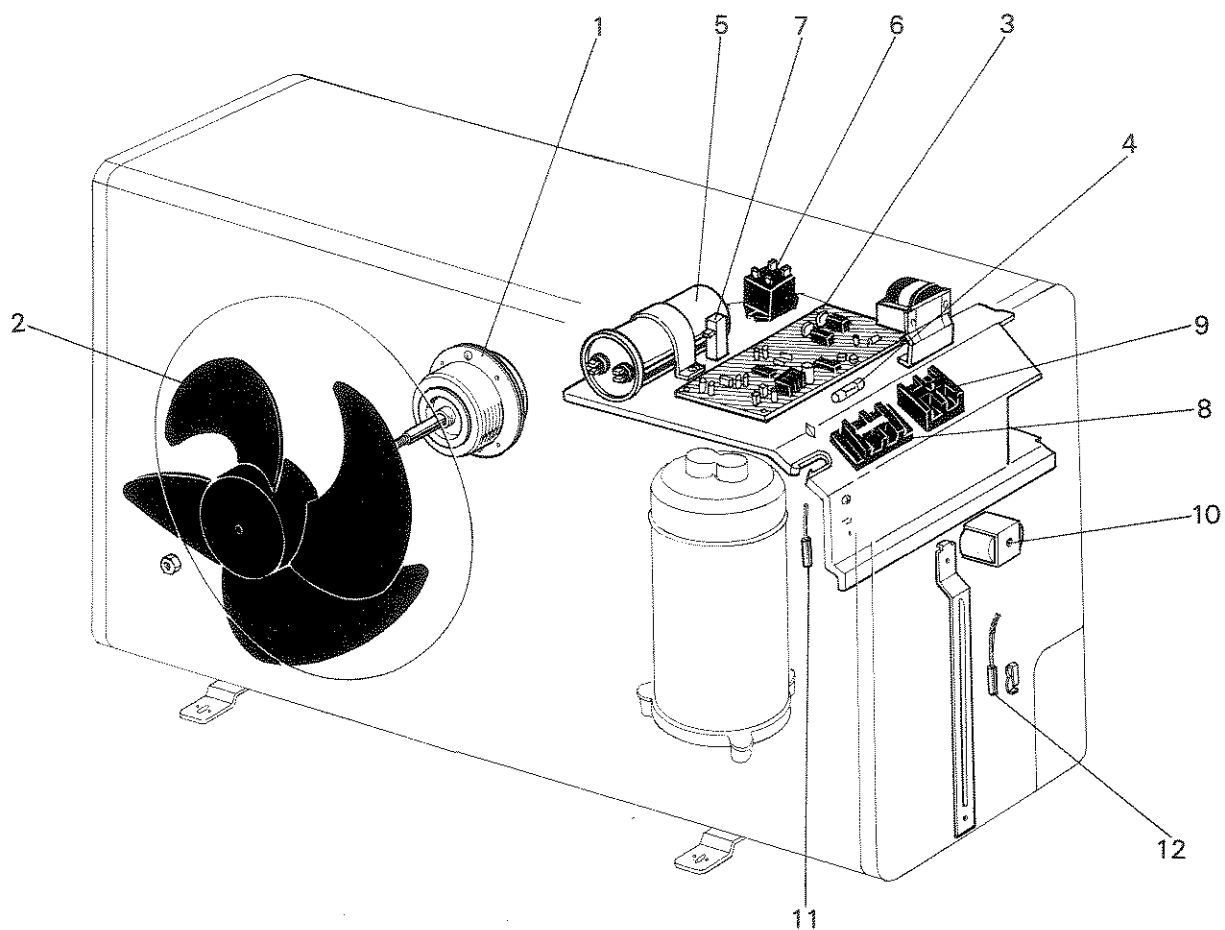
| No. | Parts No.   | Parts Name                  | Symbol<br>in<br>Wiring<br>Diagram | Q'ty/unit |         | Remarks           |
|-----|-------------|-----------------------------|-----------------------------------|-----------|---------|-------------------|
|     |             |                             |                                   | MSH12EN   | MSH15EN |                   |
|     |             |                             |                                   | White     | White   |                   |
| 1   | T2W 911 000 | FRONT PANEL ASSEMBLY        |                                   | 1         | 1       |                   |
| 2   | T2W 911 100 | AIR FILTER                  |                                   | 2         | 2       |                   |
| 3   | T2W 911 004 | SWITCH DOOR                 |                                   | 1         | 1       |                   |
| 4   | T2W 911 067 | SCREW CAP                   |                                   | 3         | 3       |                   |
| 5   | T2W 913 234 | BOX ASSEMBLY                |                                   | 1         | 1       |                   |
| 6   | T2W 516 970 | INSTALLATION PLATE          |                                   | 1         | 1       |                   |
| 7   | T2W 913 620 | INDOOR HEAT EXCHANGER       |                                   | 1         | 1       |                   |
| 8   | T2W 911 081 | ELECTRICAL BOX              |                                   | 1         | 1       |                   |
| 9   | T2W 913 450 | ELECTRIC CONTROL P.C. BOARD |                                   | 1         | 1       |                   |
| 10  | T2W 913 440 | POWER P.C. BOARD            |                                   | 1         | 1       |                   |
| 11  | T2W 416 382 | FUSE                        | F                                 | 1         | 1       | 2A                |
| 12  | T2W 659 380 | HEATER                      | H                                 | 2         | 2       | 1.5kW             |
| 13  | T2W 659 383 | THERMAL FUSE                | FS                                | 1         | 1       | 387°F 15A         |
| 14  | T2W 913 329 | DISPLAY P.C. BOARD          |                                   | 1         | 1       |                   |
| 15  | T2W 911 327 | LAMP HOLDER                 |                                   | 1         | 1       |                   |
| 16  | T2W 521 302 | LINE FLOW FAN               |                                   | 1         | 1       |                   |
| 17  | T2W 661 300 | INDOOR FAN MOTOR            | MF                                | 1         | 1       | S4W-23B-AA        |
| 18  | M21 453 505 | RUBBER MOUNT                |                                   | 2         | 2       |                   |
| 19  | M21 800 504 | SLEEVE BEARING              |                                   | 1         | 1       |                   |
| 20  | M21 800 509 | BEARING MOUNT               |                                   | 1         | 1       |                   |
| 21  | T2W 635 350 | FAN MOTOR CAPACITOR         | C                                 | 1         | 1       |                   |
| 22  | T2W 913 443 | SWITCH P.C. BOARD           |                                   | 1         | 1       |                   |
| 23  | M21 N00 468 | RECEIVER P.C. BOARD         |                                   | 1         | 1       |                   |
| 24  | T2W 911 782 | SWITCH HOLDER (KNOB SET)    |                                   | 1         | 1       |                   |
| 25  | T2W 911 307 | ROOM TEMP. THERMISTOR       | RT11                              | 1         | 1       |                   |
| 26  | T2W 704 308 | INDOOR COIL THERMISTOR      | RT12                              | 1         | 1       |                   |
| 27  | T2W 659 307 | HEATER CONTROL THERMISTOR   | RT13                              | 1         | 1       |                   |
| 28  | T2W 913 235 | NOZZLE ASSEMBLY             |                                   | 1         | 1       |                   |
| 29  | M21 534 375 | TERMINAL BLOCK              | TB2                               | 1         | 1       |                   |
| 30  | T2W 901 375 | TERMINAL BLOCK              | TB1                               | 1         | 1       |                   |
| 31  | T2W 913 339 | TRANSFORMER                 | T                                 | 1         | 1       |                   |
| 32  | T2W 911 040 | VANE                        |                                   | 1         | 1       |                   |
| 33  | T2W 911 041 | VANE SUPPORT SLEEVE SET     |                                   | 1         | 1       |                   |
| 34  | T2W 911 042 | GUIDE VANE SET              |                                   | 16        | 16      |                   |
| 35  | T2W 521 703 | DRAIN HOSE                  |                                   | 1         | 1       |                   |
| 36  | T2W 659 303 | VANE MOTOR ASSEMBLY         | MV. SW                            | 1         | 1       | VANE MOTOR SWITCH |
| 37  | T2W 521 911 | PIPE SUPPORT                |                                   | 1         | 1       |                   |
| 38  | M21 B19 750 | WATER SHIELD                |                                   | 1         | 1       |                   |

# **OUTDOOR UNIT PARTS** **MUH09EW**



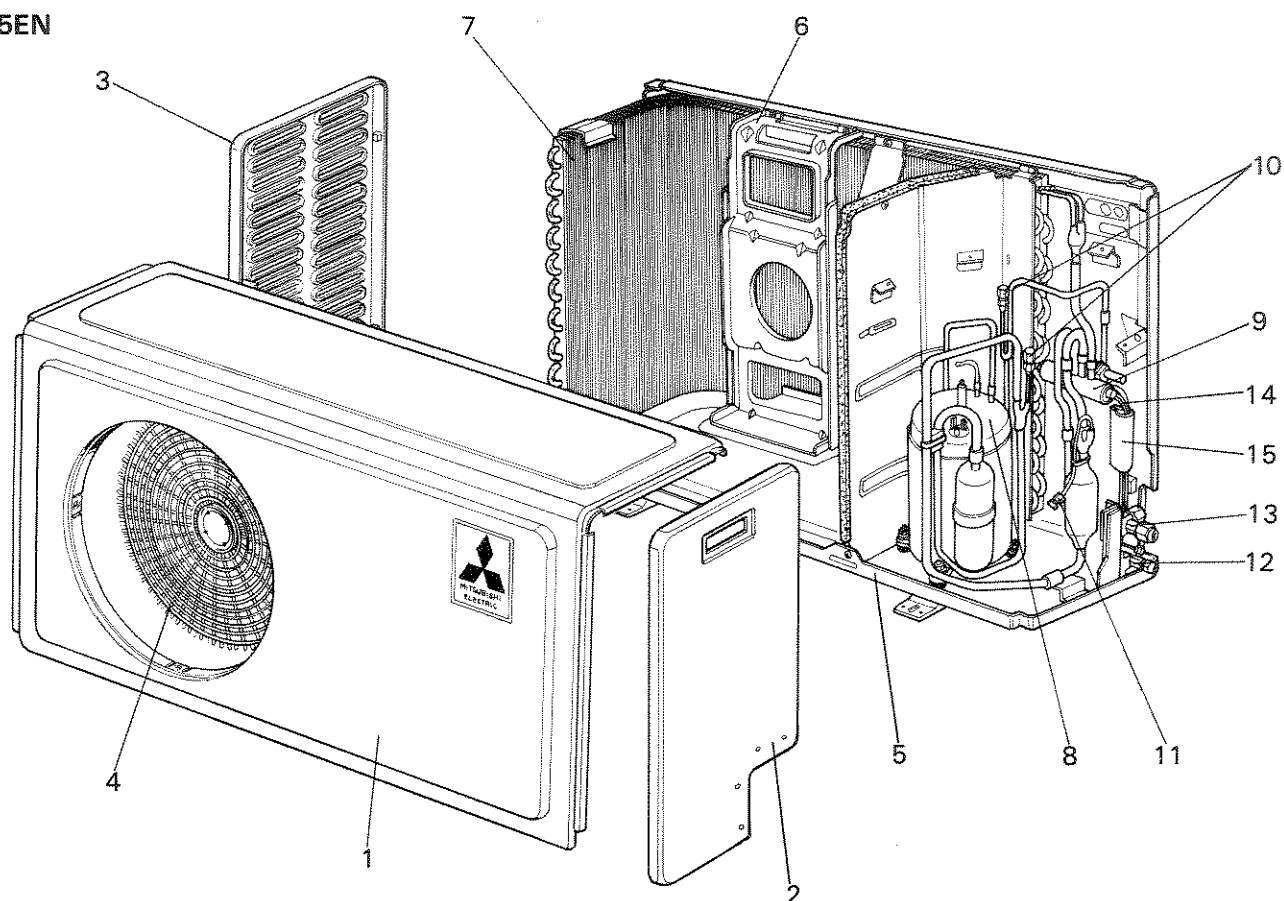
| No. | Parts No.   | Parts Name                | Symbol<br>in<br>Wiring<br>Diagram | Q'ty/unit | Remarks                     |
|-----|-------------|---------------------------|-----------------------------------|-----------|-----------------------------|
|     |             |                           |                                   | MUH09EW   |                             |
| 1   | M21 N00 232 | CABINET ASSEMBLY          |                                   | 1         |                             |
| 2   | M21 B00 297 | TOP PANEL                 |                                   | 1         |                             |
| 3   | T2W 902 521 | FAN GUARD                 |                                   | 1         |                             |
| 4   | M21 AG0 245 | SERVICE PANEL             |                                   | 1         |                             |
| 5   | T2W 902 630 | OUTDOOR HEAT EXCHANGER    |                                   | 1         |                             |
| 6   | T92 665 600 | COMPRESSOR                | MC                                | 1         | RH140WJK                    |
| 7   | T2W 457 641 | CHARGE PLUG               |                                   | 2         |                             |
| 8   | T2W 416 642 | FUSIBLE PLUG              |                                   | 1         | 162°F                       |
| 9   | T2W 822 961 | REVERSING VALVE           |                                   | 1         |                             |
| 10  | T2W 902 645 | RESTRICTOR VALVE ASSEMBLY |                                   | 1         | Capillary tube is included. |
| 11  | M21 K02 661 | STOP VALVE (GAS)          |                                   | 1         |                             |
| 12  | M21 L01 662 | STOP VALVE (LIQUID)       |                                   | 1         |                             |
| 13  | T2W 902 290 | BASE ASSEMBLY             |                                   | 1         |                             |
| 14  | T2W 902 301 | OUTDOOR FAN MOTOR         | MF                                | 1         | RA6W29AA                    |
| 15  | M21 J24 501 | PROPELLER                 |                                   | 1         |                             |
| 16  | T2W 811 375 | TERMINAL BLOCK            | TB2                               | 1         |                             |
| 17  | M21 534 375 | TERMINAL BLOCK            | TB1                               | 1         |                             |
| 18  | T2W 902 353 | COMPRESSOR CAPACITOR      | C1                                | 1         | 70 $\mu$ F 220V             |
| 19  | T2W 382 342 | CONTACTOR                 | 52C                               | 1         |                             |
| 20  | T2W 902 451 | DEICER P.C. BOARD         |                                   | 1         |                             |
| 21  | T2W 635 465 | SURGE ABSORBER            | DSAR61                            | 1         |                             |
| 22  | T2W 902 306 | DISCHARGE THERMISTOR      | RT62                              | 1         |                             |
| 23  | T2W 902 309 | DEFROST THERMISTOR        | RT61                              | 1         |                             |
| 24  | T2W 902 389 | R.V. COIL                 | 21S4                              | 1         |                             |
| 25  | T2W 416 382 | FUSE (2A)                 | F                                 | 1         |                             |

**OUTDOOR UNIT PARTS**  
**MUH12EN**  
**MUH15EN**



| No. | Parts No.   | Parts Name           | Symbol<br>in<br>Wiring<br>Diagram | Q'ty/unit |         | Remarks         |
|-----|-------------|----------------------|-----------------------------------|-----------|---------|-----------------|
|     |             |                      |                                   | MUH12EN   | MUH15EN |                 |
| 1   | T2W 659 301 | OUTDOOR FAN MOTOR    | MF                                | 1         | 1       |                 |
| 2   | R01 093 115 | PROPELLER            |                                   | 1         | 1       |                 |
| 3   | T2W 913 451 | DEICER P.C. BOARD    |                                   | 1         | 1       |                 |
| 4   | T2W 416 382 | FUSE (2A)            | F61                               | 1         | 1       |                 |
| 5   | T2W 913 353 | COMPRESSOR CAPACITOR | C61                               | 1         | 1       | 30 $\mu$ F 380V |
| 6   | T2W 359 340 | CONTACTOR            | 52C                               | 1         | 1       |                 |
| 7   | M21 A19 465 | SURGE ABSORBER       | DSAR61                            | 1         | 1       |                 |
| 8   | M21 534 375 | TERMINAL BLOCK       | TB1                               | 1         | 1       |                 |
| 9   | T2W 659 375 | TERMINAL BLOCK       | TB2                               | 1         | 1       |                 |
| 10  | T2W 913 389 | R.V. COIL            | 21S4                              | 1         | 1       |                 |
| 11  | M21 N28 308 | DEFROST THERMISTOR   | RT61                              | 1         | 1       |                 |
| 12  | M21 N29 308 | DISCHARGE THERMISTOR | RT62                              | 1         | 1       |                 |

**OUTDOOR UNIT PARTS**  
**MUH12EN**  
**MUH15EN**



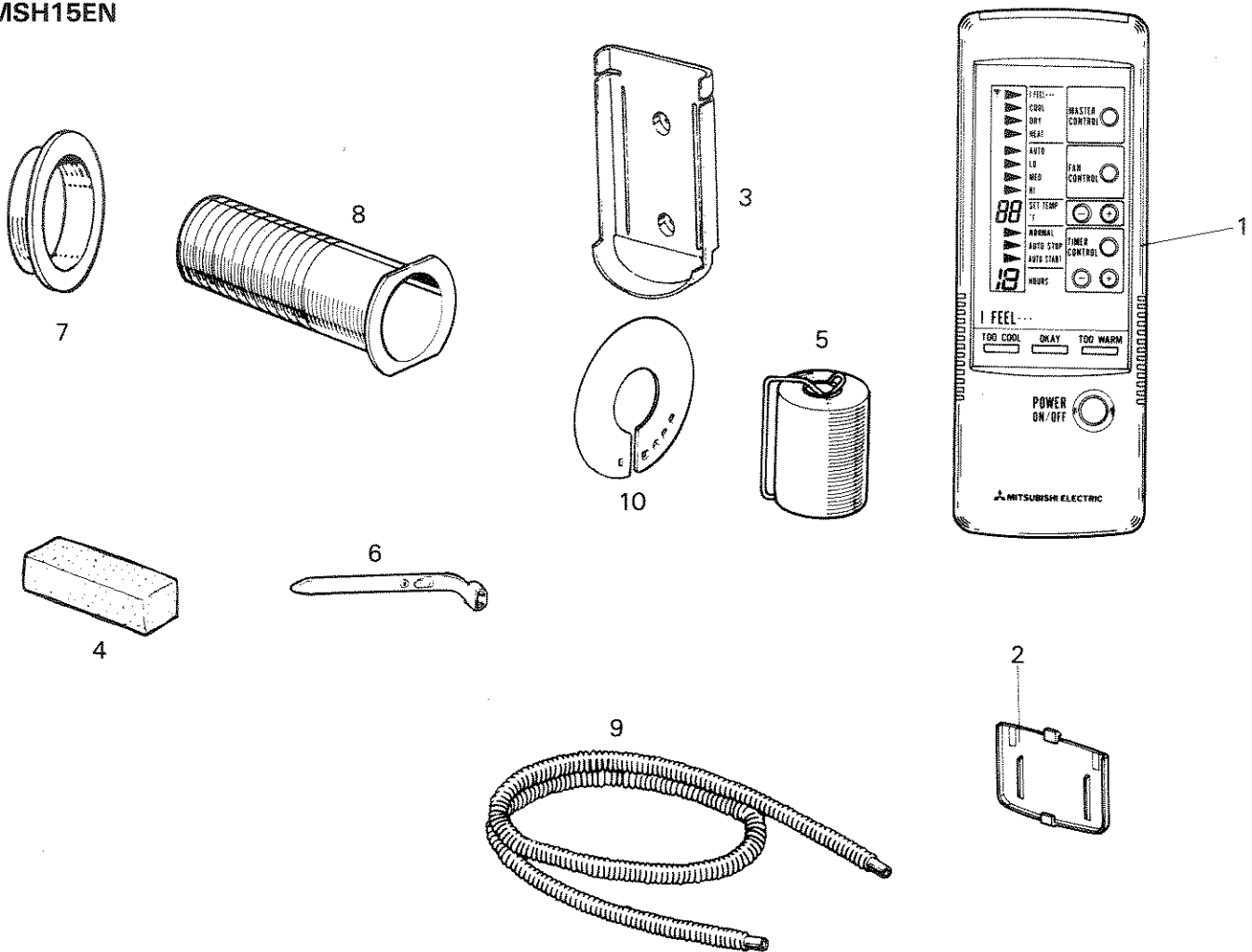
| No. | Parts No.   | Parts Name                | Symbol in Wiring Diagram | Q'ty/unit |         | Remarks                     |
|-----|-------------|---------------------------|--------------------------|-----------|---------|-----------------------------|
|     |             |                           |                          | MUH12EN   | MUH15EN |                             |
| 1   | T2W 510 232 | CABINET ASSEMBLY          |                          | 1         | 1       |                             |
| 2   | T2W 521 245 | SERVICE PANEL             |                          | 1         | 1       |                             |
| 3   | T2W 521 249 | SIDE PANEL ASSEMBLY       |                          | 1         | 1       |                             |
| 4   | T2W 521 509 | OUTER NOZZLE              |                          | 1         | 1       |                             |
| 5   | T2W 659 290 | BASE ASSEMBLY             |                          | 1         | 1       |                             |
| 6   | T2W 911 515 | MOTOR SUPPORT             |                          | 1         | 1       |                             |
| 7   | T2W 521 630 | OUTDOOR HEAT EXCHANGER    |                          | 1         |         |                             |
|     | T2W 914 630 | OUTDOOR HEAT EXCHANGER    |                          |           | 1       |                             |
| 8   | T92 666 600 | COMPRESSOR                | MC                       | 1         |         | RH-185NFL                   |
|     | T92 667 600 | COMPRESSOR                | MC                       |           | 1       | RH-207NFL                   |
| 9   | T2W 822 961 | REVERSING VALVE           |                          | 1         | 1       |                             |
| 10  | T2W 457 641 | CHARGE PLUG               |                          | 2         | 2       |                             |
| 11  | T2W 416 642 | FUSIBLE PLUG              |                          | 1         | 1       | 162°F                       |
| 12  | T2W 460 662 | BALL VALVE (LIQUID)       |                          | 1         | 1       |                             |
| 13  | R01 951 411 | BALL VALVE (GAS)          |                          | 1         | 1       |                             |
| 14  | T2W 913 936 | CAPILLARY TUBE ASSEMBLY   |                          | 1         |         |                             |
| 15  | T2W 914 642 | RESTRICTOR VALVE ASSEMBLY |                          |           | 1       | Capillary tube is included. |

# ACCESSARY & REMOTE CONTROLLER PARTS

MSH09EW

MSH12EN

MSH15EN



| No. | Parts No.   | Parts Name               | Symbol<br>in<br>Wiring<br>Diagram | Q'ty/unit        |                  |                  | Remarks |
|-----|-------------|--------------------------|-----------------------------------|------------------|------------------|------------------|---------|
|     |             |                          |                                   | MSH09EW<br>white | MSH12EN<br>white | MSH15EN<br>white |         |
| 1   | T2W 902 426 | REMOTE CONTROLLER        |                                   | 1                |                  |                  |         |
|     | T2W 659 426 | REMOTE CONTROLLER        |                                   |                  | 1                | 1                |         |
| 2   | M21 N28 017 | BATTERY COVER            |                                   | 1                | 1                | 1                |         |
| 3   | M21 N28 083 | REMOTE CONTROLLER HOLDER |                                   | 1                | 1                | 1                |         |
| 4   | M21 478 919 | PUTTY                    |                                   | 1                | 1                | 1                |         |
| 5   | M21 478 917 | PIPING TAPE              |                                   | 1                | 1                | 1                |         |
| 6   | M21 480 708 | PIPE FIXING BAND         |                                   | 3                | 3                | 3                |         |
| 7   | M21 480 973 | PIPE HOLE COVER          |                                   | 1                |                  |                  |         |
| 8   | M21 480 977 | WALL HOLE SLEEVE         |                                   | 1                |                  |                  |         |
|     | M21 K50 977 | WALL HOLE SLEEVE         |                                   |                  | 1                | 1                |         |
| 9   | M21 480 703 | DRAIN HOSE               |                                   | 1                | 1                | 1                |         |
| 10  | M21 B00 973 | WALL HOLE COVER          |                                   |                  | 1                | 1                |         |

**Mr. SLIM™**

 **MITSUBISHI ELECTRIC CORPORATION**

---

MANUFACTURED FOR MITSUBISHI ELECTRONICS AMERICA, INC., 3100 AVALON RIDGE PLACE, SUITE 200, NORCROSS, GA 30071-1305

04/2001



# **MITSUBISHI ELECTRIC**

## **HVAC Advanced Products Division**

---

3400 Lawrenceville Suwanee Road • Suwanee, Georgia 30024  
Toll Free: 800-433-4822 • Toll Free Fax: 800-889-9904  
[www.mrslim.com](http://www.mrslim.com)

**Specifications are subject to change without notice.**