

RATINGS:  
100A MAXIMUM - SEE MAIN BREAKER RATING IF USED.  
BACK-FED BREAKER REQUIRES HOLD-DOWN KIT ECMBR2.  
120/240 V~, 60 HZ, 1Ø 3W  
208Y/120 V~, 60 HZ, 1Ø 3W

FOR INSTALLATION BY A QUALIFIED PERSON IN ACCORDANCE WITH ALL LOCAL ELECTRICAL CODES AND/OR THE NATIONAL ELECTRICAL CODE ®.

**SUITABLE FOR USE AS SERVICE EQUIPMENT WHEN MAIN BREAKER IS INSTALLED.** WHEN USED AS SERVICE EQUIPMENT, APPLY "SERVICE DISCONNECT" LABEL TO FRONT NEXT TO MAIN BREAKER HANDLE.

WHEN USED AS SERVICE EQUIPMENT, UNUSED NEUTRAL BAR TERMINALS MAY BE USED TO TERMINATE EQUIPMENT GROUNDING WIRES IN THE COMBINATIONS INDICATED FOR EQUIPMENT GROUND BAR TERMINALS.

SUM OF QT BREAKER RATING IS NOT TO EXCEED 110 AMPS PER BRANCH CIRCUIT BUS STAB.

TO RESET BREAKERS WITH TRIPPED HANDLE POSITION BETWEEN "ON" AND "OFF", MOVE HANDLE TO "OFF" THEN TO "ON".

REMOVE TWISTOUTS FROM TRIM ONLY WHERE BREAKERS WILL BE INSTALLED. ALL OPENINGS MUST BE FILLED WITH BREAKERS OR FILLER PLATES. USE ONE ECMBF125 FILLER PLATE TO FILL 100-125A MAIN BREAKER OPENING.

THIS LOAD CENTER IS INVERTIBLE FOR BOTTOM FEED APPLICATIONS.

### SHORT CIRCUIT CURRENT RATING

THIS PANELBOARD HAS A MAXIMUM SHORT CIRCUIT CURRENT RATING OF 100,000 AMPS RMS SYMMETRICAL, 120/240V~. THE ACTUAL RATING IS DEPENDENT ON THE BRANCH BREAKERS INSTALLED IN THIS PANELBOARD AND THE MAIN/FEEDER BREAKER, IF ANY, INSTALLED AHEAD OF THIS PANELBOARD. THE CORRECT MAIN BREAKER/FEEDER/MAIN BREAKER/PANELBOARD MAIN BREAKER/BRANCH BREAKER SERIES COMBINATIONS TO BE USED ARE LISTED IN THE TABULATION BELOW. ANY CIRCUIT BREAKER INSTALLED, REPLACED, OR ADDED IN THIS PANELBOARD MUST BE MANUFACTURED BY SIEMENS AND MUST BE OF THE CORRECT TYPE AS INDICATED IN THE TABULATION BELOW. USE OF OTHER CIRCUIT BREAKERS IN THIS EQUIPMENT WILL VOID THE WARRANTY.

| MAIN BREAKER<br>WHEN THE MAIN PROTECTING<br>THE SYSTEM IS A                                                                                                                                                                                             | FEEDER/MAIN BREAKER<br>AND THE BREAKER PROTECTING<br>THIS PANELBOARD IS A<br>SIEMENS TYPE | PANELBOARD MAIN#<br>AND THE INSTALLED<br>MAIN BREAKER IN<br>THIS PANELBOARD<br>IS A SIEMENS TYPE | BRANCH BREAKER<br>AND THE BRANCH<br>BREAKERS INSTALLED ARE<br>SIEMENS TYPE | THEN THE MAX.<br>SHORT CIRCUIT<br>CURRENT<br>RATING IN RMS<br>SYMMETRICAL AMPS,<br>120/240 V~ IS |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| NONE USED OR SIEMENS BREAKER TYPES JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLD6(-A), MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES | QP, BQ, BL                                                                                | NONE USED,<br>EQ8681 OR QP                                                                       | QP, QG, QT, OPH, HQP,<br>QPF, QPHF, QF, QE,<br>QEH, QAF, QAFH              | 10,000                                                                                           |
| NONE USED                                                                                                                                                                                                                                               | QPH, BQH, BLH                                                                             | NONE USED<br>OR EQ8681                                                                           | QP, QT, OPH, HQP,<br>QPF, QPHF, QE,<br>QEH, QAF, QAFH                      | 22,000                                                                                           |
| NONE USED                                                                                                                                                                                                                                               | NONE USED                                                                                 | EQ8681 OR QPH                                                                                    |                                                                            |                                                                                                  |
| NONE USED                                                                                                                                                                                                                                               | NONE USED                                                                                 | NONE USED                                                                                        | QPH, QEH,<br>QPHF, QAFH                                                    | 65,000                                                                                           |
| SIEMENS BREAKER TYPES JXD2(-A), JD6(-A), JXD6(-A), HJD6(-A), HJXD6(-A), LD6(-A), LXD6(-A), HLD6(-A), HLD6(-A), MD6, MXD6, HMD6, HMXD6, ND6, NXD6, HND6, HNXD6, PD6, PXD6, HPD6, HPXD6, RD6, RXD6, HRD6, HRXD6, OR CLASS J, T, R OR L FUSES              | QPH, BQH, BLH,<br>HQP, HBQ, HBL                                                           | NONE USED,<br>EQ8681 OR HQP                                                                      | QP, QT, OPH, HQP,<br>QPF, QPHF, QE,<br>QEH, QAF, QAFH                      |                                                                                                  |
| SIEMENS BREAKER TYPE ED4, ED6                                                                                                                                                                                                                           | NONE USED OR QP, BQ, BL,<br>QPH, BQH, BLH, HQP, HBQ, HBL,<br>HQP, HBQ, HBL                | NONE USED                                                                                        | HQP                                                                        | 100,000                                                                                          |
| NONE USED                                                                                                                                                                                                                                               | NONE USED                                                                                 | NONE USED                                                                                        |                                                                            |                                                                                                  |
| SIEMENS BREAKER TYPES HED4, HED6, HFD6, HFXD6<br>300V T FUSES - 200A MAX                                                                                                                                                                                | NONE USED OR QP, BQ, BL,<br>QPH, BQH, BLH, HQP, HBQ, HBL                                  | NONE USED<br>OR EQ8681                                                                           | QP, QT, OPH, HQP,<br>QPF, QPHF, QE,<br>QEH, QAF, QAFH                      | 100,000                                                                                          |
| 300V T FUSES - 600A MAX                                                                                                                                                                                                                                 | QPH, BQH, BLH, HQP, HBQ, HBL                                                              |                                                                                                  |                                                                            |                                                                                                  |

‡ THIS PANELBOARD IS A MAIN LUG DEVICE THAT MAY BE CONVERTED TO MAIN BREAKER WITH THE ADDITION OF FIELD INSTALLED MAIN BREAKER KIT OR A MAIN BREAKER DEVICE THAT MAY BE CONVERTED TO MAIN LUG WITH THE ADDITION OF MAIN LUGS. SEE ACCESSORY TABLE FOR CATALOG NUMBERS OF APPROPRIATE KITS.

**IMPORTANT:** DO NOT ALLOW PETROLEUM BASED (HYDROCARBON) SPRAYS, CHEMICALS, SOLVENTS OR ANY PAINT TO CONTACT INTERIOR COMPONENTS. PETROLEUM BASED CHEMICALS CAN CAUSE DEGRADATION OF ELECTRICAL INSULATING MATERIALS.

**⚠ DANGER**

**Hazardous Voltage.  
Will cause death, serious injury  
or substantial property damage.**

Turn off power supplying this  
equipment before working inside.



**⚠ PELIGRO**

**Voltaje peligroso. Causará la  
muerte, lesiones graves o daño  
substantial a la propiedad.**

Desconecte el suministro de energía a este  
equipo antes de trabajar en su interior.

| MAIN LUG / MAIN BREAKER KITS                             |          |
|----------------------------------------------------------|----------|
| USE APPROPRIATE KIT FROM<br>CHART BELOW TO CONVERT PANEL |          |
| DESCRIPTION                                              | CAT. NO. |
| 100 AMP MAIN BREAKER                                     | MBK100A  |
| 100-125 AMP MAIN LUG                                     | ECMLK125 |

| ACCESSORIES               |          |
|---------------------------|----------|
| DESCRIPTION               | CAT. NO. |
| DOOR LOCK                 | ECQFL2   |
| FILLER PLATE, 1"          | QF3      |
| BREAKER HOLD-DOWN         | ECMBR2   |
| MAIN BREAKER FILLER PLATE | ECMBF125 |
| BONDABLE GROUND LUG       | ECLKB1   |
| SUBFEED LUG KIT           | ECLK2125 |
| STANDBY PWR INTERLOCK KIT | ECSBP04  |

Assembled in Mexico

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### USE COPPER OR ALUMINUM 60°/75°C WIRE

SEE BREAKER MARKINGS FOR WIRE SIZE AND TORQUE REQUIREMENTS.

| TERMINALS                                                                 | WIRE              | TORQUE     |
|---------------------------------------------------------------------------|-------------------|------------|
| A, B, N, G                                                                | 2/0-4 AWG         | 110 LB-INS |
| NEUTRAL/GROUND BARS<br>(USE TYPE EC2GB or EC3GB<br>GND BAR KIT ACCESSORY) | 10-14 CU/10-12 AL | 20 LB-INS  |
|                                                                           | 8 AWG             | 25 LB-INS  |
|                                                                           | 6-4 AWG           | 35 LB-INS  |
| GROUND CONDUCTORS ONLY                                                    | (2)or(3) 14 AWG   | 20 LB-INS  |
|                                                                           | (2) 12-10 AWG     | 20 LB-INS  |
| LK1-2 NEUTRAL LUG KIT                                                     | 2/0-2 AWG         | 45 LB-INS  |
| LK2 NEUTRAL LUG KIT                                                       | 2/0-4 AWG         | 135 LB-INS |
| MAIN LUG/MAIN BRKR TO BUS CONNECTION (1/4-20 NUT)                         |                   | 45 LB-INS  |
| BONDING SCREW                                                             |                   | 45 LB-INS  |

