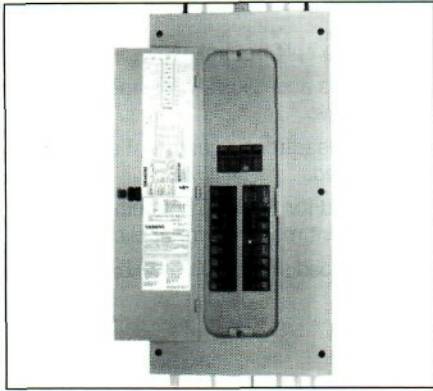


Main Breaker with Copper Bus — 22,000A IR^①



EQIII Main Breaker Load Center with Trim

Features

Copper bus load centers are recommended for those applications where the environment may be severe, (i.e. farm and coastal areas) or where a premium panel is desired. Construction offers the same features of the standard EQ® III design.

12–42 Circuits, 100–225 Amperes

Ampere Rating	Branch Circuits			Indoor Enclosure — Type 1				Outdoor Enclosure — Type 3R					
	Maximum — 1-Pole			Complete Assembly				Complete Assembly					
	Number of Spaces	Number of Circuits	Maximum 2-Poles	Catalog Number	List Price \$	Ship Wt. Lb./Std. Pkg. of 1	Enclosure Height (inches) ^②	Catalog Number	List Price \$	Ship Wt. Lb./Std. Pkg. of 1	Enclosure Height (inches) ^③		
1 Phase, 3 Wire SN												120/240 Volts AC	
100	12	24	6	G1224MB1100CU ^④	299.00	20	18	W1224MB1100CU ^④	372.00	25	19		
100	16	24	8	G1624MB1100CU ^④	327.00	22	21	W1624MB1100CU ^④	381.00	27	22		
125	12	24	6	See Convertible Load Centers on page 174.				W1224MB1125CU ^④	520.00	25	19		
125	20	24	8					—	—	—	—	—	—
125	24	24	10					W2024MB1125CU ^④	655.00	30	25	—	—
150	16	30	8	G1630MB1150CU	548.00	27	27	W1630MB1150CU	620.00	33	28		
150	20	30	10	G2030MB1150CU	602.00	27	27	W2030MB1150CU	663.00	33	28		
150	24	30	12	G2430MB1150CU	639.00	30	30	W2430MB1150CU	738.00	36	31		
200	20	40	10	G2040MB1200CU	602.00	27	30	W2040MB1200CU	663.00	37	31		
200	24	40	12	G2440MB1200CU	647.00	30	33	W2440MB1200CU	751.00	47	34		
200	30	40	14	G3040MB1200CU	732.00	38	36	W3040MB1200CU	843.00	52	34		
1 Phase, 3 Wire SN — Full Size Breakers Only												120/240 Volts AC	
100	12	12	6	G1212MB1100CU ^④	277.00	20	18	W1212MB1100CU ^④	317.00	25	19		
100	16	16	8	G1616MB1100CU ^④	286.00	22	21	W1616MB1100CU ^④	351.00	27	22		
100	20	20	10	G2020MB1100CU ^④	347.00	24	21	W2020MB1100CU ^④	397.00	27	22		
100	24	24	12	G2424MB1100CU ^④	400.00	28	24	—	—	—	—		
100	30	30	14	G3030MB1100CU	439.00	26	30	—	—	—	—		
150	30	30	14	G3030MB1150CU	654.00	33	33	W3030MB1150CU	779.00	48	34		
200	30	30	14	G3030MB1200CU	686.00	38	36	W3030MB1200CU	815.00	52	34		
200	40	40	20	G4040MB1200CU	856.00	38	39	W4040MB1200CU	947.00	55	40		
225	42	42	20	G4242MB1225CU	935.00	41	42	W4242MB1225CU	1107.00	59	43		

LOAD CENTERS

For inches / millimeters conversion, see Application Data section.

Circuit Breakers — Main breaker installed and included in prices. Branch circuit breakers not included. See pages 60 and 64 for data and prices.

Hubs — Not furnished with outdoor enclosures. See page 194 for data and prices.

Knockout Diagrams — Indoor; diagram Q7, page 195. Outdoor; diagram Q16, page 197.

Wiring Diagrams — page 180.

Accessories — page 192.

① May be installed on higher rated systems when protected by a circuit breaker with a higher A IR rating. See equipment markings.

Note: Factory installed 22kA IR main circuit breaker offers 22/10kA IR series combination rating when using 10kA IR type QP, QT, and QPF branch circuit breakers.

② Indoor enclosures are 14 1/2" wide by 3 3/8" deep.

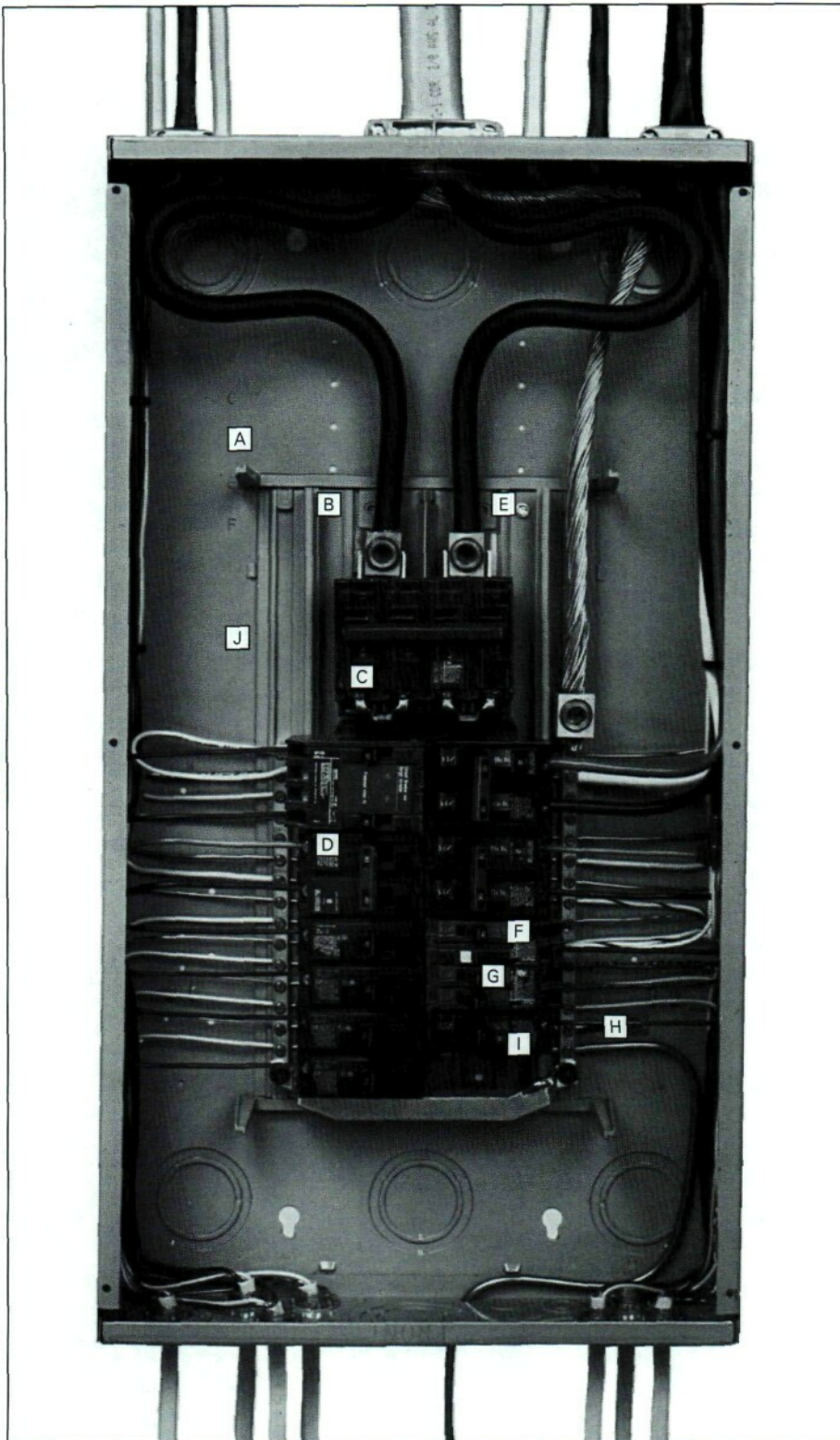
③ Outdoor enclosures are 14 1/2" wide by 4 1/2" deep.

④ Back-fed main design.

Reference Guide

Features

- ▣ A Single-post gutter guide simplifies wiring.
- ▣ B Service lugs designed for positive securing of wires.
- ▣ C Massive main breaker load straps provide high current carrying capacity.
- ▣ D Circuit breakers, UL Listed for series combinations, mean full protection and lower component cost.
- ▣ E One size Allen wrench for faster, easier wiring of main lug terminals.
- ▣ F Main bus held firmly against base pan for a rock-solid installation.
- ▣ G Fixed, accurately aligned and beveled bus stabs make breaker insertion a snap.
- ▣ H When the EQ III is used as service equipment, any unused neutral position may be used for equipment grounding.
- ▣ I One-piece solid-construction bus ensures a proper connection at every breaker stab.
- ▣ J One-piece basepan with load side circuit breaker hook rail assures accurately aligned circuit breaker and bus stab.
 - Standard 14 $\frac{3}{8}$ " width for easy installation.
 - Flat door, beveled trim for true flush installation.
 - All service connections at one location.
 - One-piece aluminum buses are Allstan plated.
 - Full 4 $\frac{1}{2}$ " side wiring gutter.
 - Industry exclusive split neutral configuration.
 - Simple dead front adjustment after trim is installed.
 - Code-gauge steel, grey enamel finish.
 - Circuit identification numbers stamped on dead front.
 - Circuit directory attached to the door.
 - Durable sliding door latch.
 - Copper bus standard on all outdoor and three phase, optional on single phase indoor.
 - Bus bar protector factory assembled.
 - Main breaker Load Centers have factory installed 22kA IR main breaker.
 - 6 circuit through 42 circuit Load Centers have latchable door.



Reference Guide

Description	Indoor	Outdoor	Ampere Rating	UL Listed	Suitable for use as Service Entrance Equipment	Page Number Reference
Convertible Main Panels with Aluminum Bus	✓	—	125–225	✓	✓	174
Convertible Main Panels with Copper Bus	✓	✓	125–225	✓	✓	174
Wiring Diagrams, Convertible Main Panel	—	—	—	—	—	175
Main Breaker with Aluminum Bus (22,000A IR)	✓	—	100–225	✓	✓	176
Main Breaker with Copper Bus (22,000A IR)	✓	✓	100–225	✓	✓	177
Main Lugs with Aluminum Bus (100,000A IR)	✓	—	60–225	✓	✓	178
Main Lugs with Copper Bus (100,000A IR)	✓	✓	125–225	✓	✓	179
Wiring Diagrams, Main Breaker and Main Lugs	—	—	—	—	—	180–182
3-Phase Main Breaker with Copper Bus (10,000A IR)	—	✓	100–225	✓	✓	183
Main breaker Wiring Diagram	—	—	—	—	—	183
3-Phase Main Lugs with Copper Bus (10,000A IR)	—	✓	125–225	✓	✓	184
Main Lug Wiring Diagram	—	—	—	—	—	184
Main Breaker 1 Phase, 3 Phase; 3 Wire, 4 Wire	✓	✓	300–400	✓	—	185
Main Lugs 1 Phase, 3 Phase; 3 Wire, 4 Wire	✓	✓	400	✓	✓	186
Wiring Diagrams, Main Breaker and Main Lugs	—	—	—	—	—	187
Circuit Breaker Enclosures 1 Phase, 3 Phase; 3 Wire, 4 Wire	✓	✓	60–225	✓	✓	188
Wiring Diagrams, Breaker Enclosure	—	—	—	—	—	188
Riser Panel 1 Phase, 3 Wire (22,000A IR)	✓	—	125	✓	✓	189
Riser Panel – Auxiliary Gutter (22,000A IR)	✓	—	100–225	✓	✓	189
Riser Panel Wiring Diagram	—	—	—	—	—	175
Fused/Non-Fused Molded Case Switch Disconnects	✓	✓	30–60	✓	✓	190–191
Accessories	✓	✓	—	✓	—	192–193
Replacement Main Breakers	—	—	100–225	✓	—	194
Lug and Hub Data	✓	✓	—	✓	—	194
Knockout Diagrams	—	—	—	—	—	195–197
Temporary Service 1 Phase, 3 Wire	—	✓	70	✓	—	198
Pushmatic Circuit Breakers	✓	—	15–125	✓	—	199–200

General

Products Shown In Sections 5 and 6 Of This Speedfax Meet Or Exceed The Following Standards.

- UL50 — Electric Cabinets and Boxes
- UL67 — Electric Panelboards
- UL414 — Meter Sockets
- UL486 — Wire Connectors
- UL489 — Molded-Case Circuit Breakers
- UL869 — Service Equipment
- UL943 — Ground Fault interrupters (Class A — Personnel Protection)
- Federal Specification W-P-115b — Panel Power Distribution
- Federal Specification W-C-375B — Circuit Breakers
- NEC
- NEMA 250

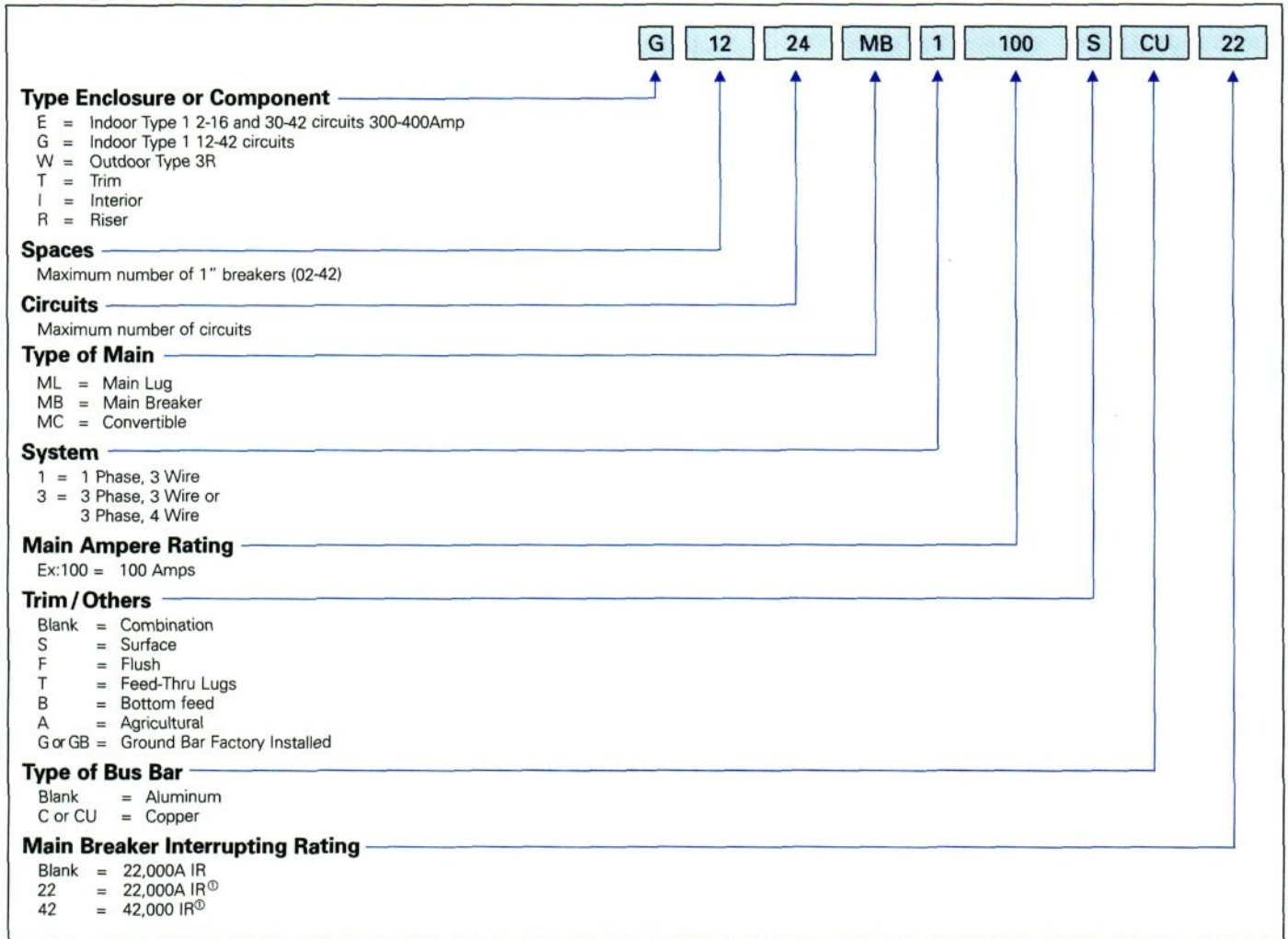
Underwriters' Laboratories, Inc. Reference File Numbers:

- EQ Meter Combinations (complying with EUSERC specifications) are listed by UL under file #E10703
- Uni-Pak (complying with EUSERC specifications) are listed by UL under file #E10703
- Underground pull box (complying with EUSERC specifications) are listed by UL under file #E10703
- Series Connected Circuit Breaker Information is recognized by UL under file #E10848(N)
- Pushmatic Circuit Breakers are listed by UL under file #E10848
- EQ Load Centers, Uni-Pak and Modular Metering are listed by UL under file #E10703

- EQ Load Centers, Uni-Pak and Modular Metering Accessories are UL recognized components found under file #E10703, Volume 6 and 7. (Also referenced under the recognized components directory — section QEU2)
- EQ Circuit Breakers are listed by UL under file #E82615
- Modular metering disconnects are listed by UL under file #E25506
- EQ Main Lug Load Centers (where noted) and accessories are listed by CSA under file #LL85900

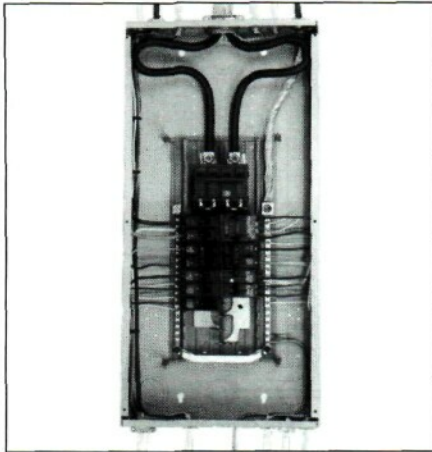
Catalog Numbering System

Catalog Numbering System



ⓄFor 3 phase Load Centers only.

Main Breaker with Aluminum Bus — 22,000A IR^①



EQIII Main Breaker
Load Center without Trim

Features

EQ III Load Centers with a single main breaker feature a combination trim boxed in one package.

- The trim fits both surface and flush mounting applications saving money and space.
- Interiors are easily removable.
- Single phase.
- One piece bus bar construction. Designed for use only with circuit breakers. UL Listed.
- Simple dead front adjustment after trim is installed.
- Exclusive split neutral.
- UL Listed as suitable for use as service equipment.
- UL Listed for 60/75°C conductors. See equipment markings for applications.
- Standard factory installed 22kA IR main circuit breaker.
- Positive load side circuit breaker hook rails.

12–42 Circuits, 100–225 Amperes

Ampere Rating	Branch Circuits			Indoor Enclosure — Type 1			
	Maximum — 1-Pole			Complete Assembly			
	Number of Spaces	Number of Circuits	Maximum 2-Poles	Catalog Number	List Price \$	Ship Wt. Lb./Std. Pkg. of 1	Enclosure Height ^② (inches)
1 Phase, 3 Wire SN				120/240 Volts AC			
100	12	24	6	G1224MB1100 ^③	277.00	19	18
100	16	24	8	G1624MB1100 ^③	299.00	21	21
125	12	24	6	See Convertible Load Centers on page 174.			
125	20	24	10				
125	24	24	12				
150	16	30	8	G1630MB1150	516.00	26	27
150	20	30	10	G2030MB1150	566.00	26	27
150	24	30	12	G2430MB1150	591.00	29	30
200	20	40	10	G2040MB1200	566.00	26	30
200	24	40	12	G2440MB1200	600.00	29	33
200	30	40	14	G3040MB1200	687.00	37	36
1 Phase, 3 Wire SN — Full Size Breakers Only				120/240 Volts AC			
100	12	12	6	G1212MB1100 ^③	254.00	19	18
100	16	16	8	G1616MB1100 ^③	255.00	21	21
100	20	20	10	G2020MB1100 ^③	312.00	23	21
150	30	30	14	G3030MB1150	610.00	32	33
200	30	30	14	G3030MB1200	631.00	37	36
200	40	40	20	G4040MB1200	784.00	37	39
225	42	42	20	G4242MB1225	862.00	40	42

For inches / millimeters conversion, see Application Data section.

Circuit Breakers — Main breaker installed and included in prices. Branch circuit breakers not included. See pages 60 and 64 for data and prices.

Wiring Diagrams — pages 180–181.

Knockout Diagrams — Indoor; diagram Q7, page 195.

Accessories — page 192.

① May be installed on higher rated systems when protected by a circuit breaker with a higher A IR rating. See equipment markings.

② Indoor enclosures are 14 1/8" wide by 3 3/8" deep.

③ Back-fed main design.

Note: Factory installed 22kA IR main circuit breaker offers 22/10kA IR series combination rating when using 10kA IR type QP, QT, and QPF branch circuit breakers.

Replacement Main Breakers, Lugs, and Hubs

100–225 Ampere EQIII Load Centers^①

Replacement Main Breakers

Main Ampere Rating	10,000A IR		22,000A IR		42,000A IR		65,000A IR	
	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$	Catalog Number	List Price \$
1 Phase								
								120/240V AC
100	Q2100 ^②	134.00	EQ9675R ^③	127.00	Q2100HH ^④	425.00	Q2100HH ^④	425.00
125	Q2125 ^②	277.00	EQ9677R ^③	264.00	Q2125HH ^④	1407.00	Q2125HH ^④	1407.00
150	EQ9683R ^{②⑤}	315.00	EQ9683R ^{②⑤}	315.00	—	—	—	—
200	EQ9685R ^{②⑤}	315.00	EQ9685R ^{②⑤}	315.00	—	—	—	—
225	EQ9686R ^{②⑤}	315.00	EQ9686R ^{②⑤}	315.00	—	—	—	—
3 Phase								
								240V AC
100	QJ23B100X	867.00	QJH23B100 ^③	1212.00	QJ23B100H ^③	1538.00	—	—
150	QJ23B150X	867.00	QJH23B150 ^③	1212.00	QJ23B150H ^③	1538.00	—	—
200	QJ23B200X	867.00	QJH23B200 ^③	1212.00	QJ23B200H ^③	1538.00	—	—
225	QJ23B225X	867.00	QJH23B225 ^③	1212.00	QJ23B225H ^③	1538.00	—	—

Lug Data

Load Center Catalog Number ^④	Main Ampere Rating		Wire Size Range
	Copper	Aluminum	AWG or kcmil
EQ Complete-Enclosed Breaker, Main Lugs			
E0204ML1060	60	60	14-2/0
E0202ML1125	125	125	4-2/0
W0406ML1225	225	225	6-250
E0303ML3100	100	100	4-2/0
E0408ML1125	125	125	14-2/0
E0612ML1125, E0816ML1125	125	125	4-2/0
G1224ML1125	125	125	4-2/0
EB3100	100	100	14-2/0
EB3225	225	225	4-300
EQ Circuit Breaker—Main Lugs			
G1616ML1125, G1624ML1125	125	125	4-2/0
G1224ML1150, G2030ML1150	150	150	1-250
G1224ML1200, G2040ML1200, G3030ML1200, G3040ML1200	200	200	1-250
G2440ML1200, G4040ML1200	200	200	1-250
G4242ML1225	225	225	4-250
E3030ML1400, E4242ML1400	400	400	(2)1/0-250
E3030ML1600, E4242ML1600	600	600	(2)2-600
G1224ML3125	125	125	6-300
G1836ML3150, G2442ML3150	150	150	6-300
G1224ML3200, G2442ML3200	200	200	6-300
G3042ML3200, G4242ML3200	200	200	6-300
G4242ML3225	225	225	6-300
E3030ML3400, E4242ML3400	400	400	(2)3/0-250 Cu, (2)4/0-250 Al
EQ Circuit Breaker—Single Main			
G1212MB1100, G1224MB1100, G1616MB1100, G1624MB1100, G2020MB1100	100	100	4-1/0
G1224MC1125, G2024MC1125	125	125	4-1/0
G2424MC1125	125	125	4-1/0
G2430MB1150, G3030MB1150	150	150	1-250
G1630MB1150, G2030MB1150	150	150	1-250
G2040MB1200, G2430MB1200, G3030MB1200, G3040MB1200, G3040MC1200	200	200	1-250
G4040MB1200	200	200	1-250
G4242MB1225, G4242MC1225	225	225	1-250
E3030MB1400, E4242MB1400	400	400	(2)3/0-250 Cu, (2)4/0-250 Al
E3030MB1600, E4242MB1600	600	600	(2)3/0-500 Cu, (2)4/0-500 Al
G2442MB3150, G3042MB3150	150	150	4-300
G3042MB3200, G4242MB3200	200	200	4-300
G4242MB3225	225	—	4-300
E3030MB3400, E4242MB3400	400	400	(2)3/0-250 Cu, (2)4/0-250 Al

Hubs

Conduit Size (inches)	Catalog Number	List Price \$	Ship. Wt. Lt/Std.	Std. Carton	For Use With
¾	HS075	25.00	14	35	All Load Centers Plus WB2225, WB3225 and W0816ML 1200 FTCU
1	HS100	25.00			
1½	HS125	25.00			
1½	HS150	25.00			
2	HS200	44.00			
2½	HS250	71.00			
2	HV200	57.00	5	10	300 thru 600A Load Centers
2½	HV250	80.00	6		
3	HV300	117.00	6		
3½	HV350	172.00	10		
4	HV400	229.00	10		

For inches / millimeters conversion, see Application Data section.

- ① See equipment for exact requirements.
- ② Circuit breaker is four 1-pole spaces wide.
- ③ Connector on load end only.
- ④ Also includes copper bus and outdoor load centers.
- ⑤ Will not fit load centers with catalog prefix of: EQ, EQC, FEQ, FEQC, GQ, GQF (Also W versions).