



QO Load Center

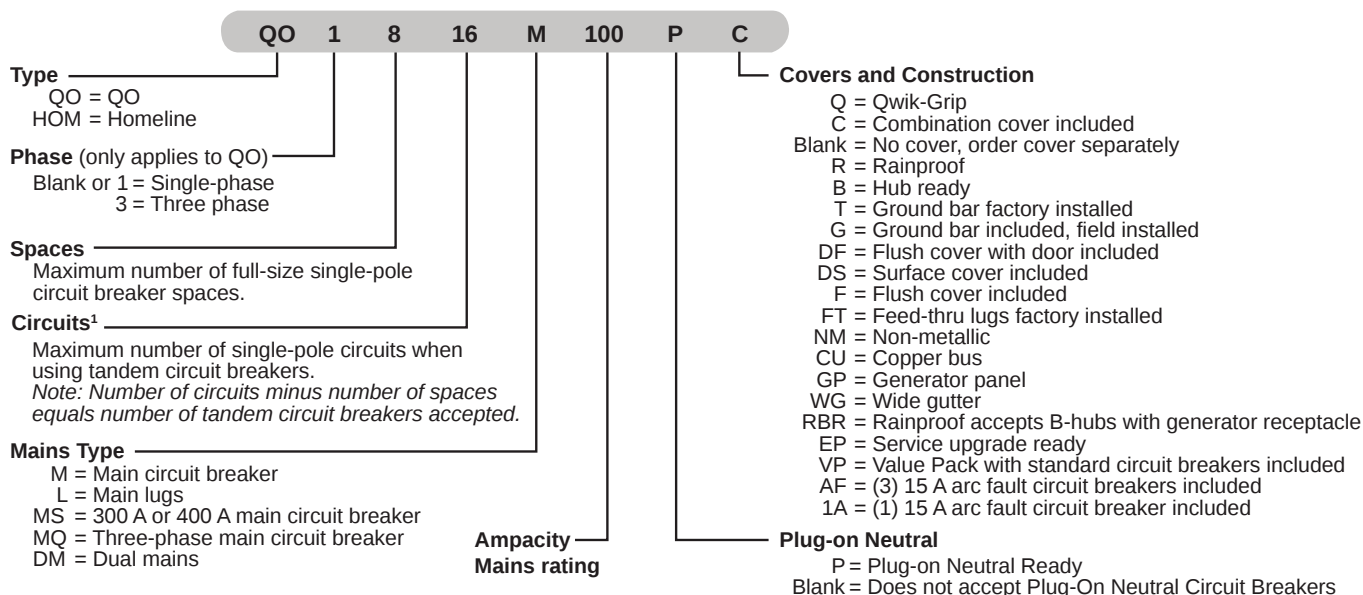
QO™ and Homeline™ Load Center EZ Selector - Selection Assistance

EZ Selector

Steps to select a load center.

- Select product type:
 - Homeline™ 1 inch format (HOM)
 - QO™ 3/4 inch format with plug-on neutral (QO) (P)
 - QO™ 3/4 inch format (QO)
- Select enclosure type: indoor or outdoor (RB = rainproof)
- Select single phase (1) or three phase (3)
- Select type of main:
 - Main circuit Breaker (M)
 - Main lugs (L)
 - Generator panel (GP)
- Select main ampacity rating
- Select pole spaces and max. number of 1-pole, single-phase circuits
- Select cover style:
 - Surface (box mounted on surface)
 - Surface (box mounted on surface, hinged cover included)
 - Flush (box recessed, cover is flush to wall)
- Value pack (VP)
- Select ground bar option:
 - Ground bar factory installed (T)
 - Ground bar included, field installation (G)
- Select special application:
 - Riser panel with gutter
 - Mfg housing, single phase 3-wire, convertible mains
 - Manufactured housing, single phase, 3-wire
 - Manufactured housing, single phase, 2-wire

QO™ and Homeline™ Load Centers — Catalog Number Description



Additional Information

- See Circuits [1].
- Search our technical FAQs page: <https://www.se.com/us/en/faqs/home/>
- Refer to catalog 1100CT0501.

[1] QO Plug-on neutral load center catalog numbers indicate the number of spaces only. The tables in this document containing QO plug-on neutral load centers list the maximum number of single-pole circuits when using tandem breakers.

HOM Standard Load Center Main Lugs, Fixed Mains
Single-phase, three-wire—120/240 Vac Indoor—UL Listed

Table 1.51: Fixed Main Lugs Load Centers (Accepts Only HOM Plug-on Circuit Breakers - Not compatible with HOM Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [1]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover [2]	Main Wire Size AWG/kcmil		Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [3]
						Al	Cu			
INDOOR	Main Lugs—10 kA Short Circuit Current Rating Order HOM Circuit Breakers (See page) Factory-installed Fixed Main Lugs									
	70 A	2	4	2	HOM24L70F/S[4] [5]	12–3	14–4	70	PK3GTA1	2
	100 A	6	12	6	HOM612L100F/S[4] [6]	8–1		100	PK7GTA	4
	125 A	4	8	4	HOM48L125GC	12–2/0	14–2/0	125	PK7GTA Included	21

HOM Plug-on Neutral Load Center Main Lugs, Convertible Mains
Single-phase, three-wire—120/240 Vac Indoor—UL Listed

Table 1.52: Convertible Main Lugs Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [1]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover [2]	Main Wire Size AWG/kcmil		Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [3]
						Al	Cu			
INDOOR	Convertible Mains—Factory-installed Main Lugs QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33)									
	125 A	8	16	8	HOM816L125PC	6–2/0	6–1	125	PK9GTA	6
		12	24	12	HOM1224L125PC		6–1	125	PK15GTA	6
		16	32	16	HOM1632L125PC ^{OBS}		6–1/0	125	PK15GTA	8
		20	40	20	HOM2040L125PC		6–1/0	125	PK18GTA	8
		30	60	30	HOM3060L125PC		6–2/0	125	PK23GTA	10
	Convertible Mains—Factory-installed Main Lugs QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33)									
	225 A	30	60	30	HOM3060L225PC	4–300	4–250	225	PK23GTA	10
		40	80	40	HOM4080L225PC			225	PK27GTA	12
		42	84	42	HOM4284L225PC			225	PK27GTA	12
		60	120	60	HOM60120L225PC			225	PK27GTA	25
	Convertible Mains—Factory-installed Main Lugs—Ground Bar Included QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33)									
	125 A	8	16	8	HOM816L125PGC	6–2/0	6–1	125	PKGTALP1 Included	6
		12	24	12	HOM1224L125PGC		6–1	125	PKGTALP1 Included	6
		20	40	20	HOM2040L125PGC		6–1/0	125	PKGTALP1 Included	8
		24	48	24	HOM2448L125PGC		6–1/0	125	PKGTALP2 Included	8
	Convertible Mains—Factory-installed Main Lugs—Ground Bar Included QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33)									
	225 A	30	60	30	HOM3060L225PGC	4–300	4–250	225	PKGTALP2 Included	10
		16	32	16	HOM1632L225PGC ^{OBS}			225	PKGTALP1 Included	9
		20	40	20	HOM2040L225PGC			225	PKGTALP1 Included	9
		40	80	40	HOM4080L225PGC			225	PKGTALP3 Included	12
		42	84	42	HOM4284L225PGC			225	PKGTALP3 Included	12

Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.
^{OBS} This product is obsolete.

[1] Maximum single pole branch circuits utilizing HOM and/or HOMET circuit breakers.
[2] C at end of catalog number indicates combination flush/surface cover included with device.
[3] See page 1-40
[4] F/S at end of catalog number indicates to order F for flush device or S for surface device. The cover does not have a door.
[5] HOM-GFI and HOM-AFI branch circuit breakers are limited to number 10 maximum wire.
[6] 70 A maximum branch circuit breaker, 100 A maximum back feed main circuit breaker.

Field-Installed Main Circuit Breaker Kits, Single-phase

These tables define application and selection criteria for field-installed QOM main circuit breaker kits used in convertible main load centers for single-phase (Ø) systems. They cover QOM1 frame sizes rated 50–125 A and QOM2 frame sizes rated 100–225 A, aligned with permitted load center mains ratings and 22 kA AIR short-circuit capability. Listed data includes approved breaker catalog numbers, conductor lug wire size ranges, UL usage conditions, maximum load ratings, and optional shunt-trip configuration requirements to support code-compliant electrical installations.

NOTE: Use with convertible main load centers only.

Table 1.53: QOM1 Frame Size

Main Circuit Breaker Rating [7]	Convertible Load Center Mains Rating	22 k AIR [8]	Lug Wire Size [9] AWG/kcmil
		Main Circuit Breaker	
50 A	100–125	QOM50VH	12–2/0 Al or Cu
60 A	100–125	QOM60VH	
70 A	100–125	QOM70VH	
80 A	100–125	QOM80VH	
90 A	100–125	QOM90VH	
100 A	100–125	QOM100VH	
110 A	125	QOM110VH	
125 A	125	QOM125VH	

Table 1.54: QOM2 Frame Size

Main Circuit Breaker Rating [7]	Convertible Load Center Mains Rating	22 k AIR [8]	Lug Wire Size [9] AWG/kcmil
		Main Circuit Breaker [10]	
100 A	150–225	QOM2100VH	4–300 Al or Cu
125 A	150–225	QOM2125VH	
150 A	150–225	QOM2150VH	
175 A	200–225	QOM2175VH	
200 A	200–225	QOM2200VH	
225 A	225	QOM2225VH	

QOM1 Frame Size
50–125 AmperesQOM2 Frame Size
100–225 Amperes

[7] Do not exceed the load center mains rating.

[8] 22 k AIR main circuit breaker UL Listed for use ahead of QO, QOT and QO-PL 10 k AIR branch circuit breakers to permit their application on systems with up to 22 kA available fault current.

[9] Wire range listed for QOM circuit breaker kits is the wire range of that circuit breaker. To find out maximum wire size permitted in a particular load center per UL, see Main Wire Size in that load center table.

[10] Add suffix 1021 for 120, 208 or 240 Vac shunt trip.

HOM Plug-on Neutral Load Center Main Breaker, Convertible Mains
Single-phase, three-wire—120/240 Vac Indoor—UL Listed

Table 1.55: Convertible Main Breaker Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [11]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover [12]	Main Wire Size AWG/kcmil		Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [13]
						Al	Cu			
INDOOR	Main Circuit Breaker—22 kA Short Circuit Current Rating									
	Convertible Mains—Factory-installed Main Circuit Breaker									
	QOM1 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33)									
	100 A	8	16	8	HOM816M100PC	6-1		125	PK9GTA	5
		12	24	12	HOM1224M100PC	6-2/0		125	PK15GTA	6
		20	40	20	HOM2040M100PC	6-1		125	PK18GTA	7
		24	48	24	HOM2448M100PC	6-2/0		125	PK23GTA	8
		30	60	30	HOM3060M100PC	6-2/0		125	PK23GTA	10
	125 A	24	48	24	HOM2448M125PC	6-2/0	6-1/0	125	PK23GTA	8
		30	60	30	HOM3060M125PC		6-2/0	125	PK23GTA	10
	Convertible Mains—Factory-installed Main Circuit Breaker									
	QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See HOM Standard Load Center Main Lugs, Fixed Mains, page 1-33)									
	150 A	30	60	30	HOM3060M150PC	4-250		225	PK23GTA	10
		20	40	20	HOM2040M200PC	4-250		225	PK18GTA	9
		30	60	30	HOM3060M200PC			225	PK23GTA	10
		40	80	40	HOM4080M200PC			225	PK27GTA	12
		42	84	42	HOM4284M200PC			225	PK27GTA	12
		60	120	60	HOM60120M200PC			225	PK27GTA	25
	225 A	42	84	42	HOM4284M225PC	4-300	4-250	225	PK27GTA	12
	Split Bus Plug-on Neutral Load Center—Manual Transfer for use with Temporary Backup Power Source Applications NEMA 1 (indoor)									
	200 A	36	72	36	HOM1428X244M200PC	4-250		—	PK27GTA	12

Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.

Single-phase, Field-Installed Mains Kits

Table 1.56: Single-phase Field Installed Main Lug Kits – Use with Convertible Main Load Centers Only



QOL125

QOL225

Field-Installed Main Type	Frame Size	Main [14] Ampere Rating	Use on Convertible Load Center with Mains Rating	Cat. No.	Lug Wire Size [15] AWG/kcmil
Main Lugs [16]	—	125 A	100–125 A	QOL125	6–2/0 Al or Cu
		125 A	100–125 A	QOL125VD	6–4/0 Al or Cu
		225 A	150–225 A	QOL225	6–300 Al or Cu
Main Circuit Breaker [17]	QOM1	50 A	100–125 A	QOM50VH	12–2/0 Al or Cu
		60 A	100–125 A	QOM60VH	
		70 A	100–125 A	QOM70VH	
		80 A	100–125 A	QOM80VH	
		90 A	100–125 A	QOM90VH	
		100 A	100–125 A	QOM100VH	
		110 A	125 A	QOM110VH	
		125 A	125 A	QOM125VH	
	QOM2 [18]	100 A	150–225 A	QOM2100VH	4–300 Al or Cu
		125 A	150–225 A	QOM2125VH	
		150 A	150–225 A	QOM2150VH	
		175 A	200–225 A	QOM2175VH	
		200 A	200–225 A	QOM2200VH	
		225 A	225 A	QOM2225VH	
		225 A	225 A	QOM2225VH	

[11] Maximum single pole branch circuits utilizing HOM and/or HOMET circuit breakers.

[12] C at end of catalog number indicates combination flush/surface cover included with device.

[13] See [page 1-40](#)

[14] Do not exceed the load center mains rating.

[15] Wire range listed for main device kits is the wire range of that device. To find out maximum wire size permitted in a particular load center per UL, see tables in [page 1-12](#) and [page 1-34](#) under Main Wire Size.

[16] If main circuit breaker knockout has been removed from the load center's trim, order appropriate filler plate from [page 1-35](#).

[17] 22 k AIR main circuit breaker UL Listed for use ahead of HOM and HOMET 10 k AIR branch circuit breakers to permit their application on systems with up to 22 kA available fault current.

[18] Add suffix 1021 for 120, 208, 240 Vac shunt trip.

HOM Standard Load Center Main Lugs, Fixed Mains
Single-phase, three-wire—120/240 Vac Rainproof—UL Listed

Table 1.59: Fixed Main Lugs Load Centers (Accepts Only HOM Plug-on Circuit Breakers - Not compatible with HOM Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [23]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover	Main Wire Size AWG/kcmil		Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [24]
					Cat. No. (DE3C)	Al	Cu		Cat. No. (DE3A)	
RAINPROOF	Main Lugs—10 kA Short Circuit Current Rating									
	Factory-installed Fixed Main Lugs, 10 kA Short Circuit Current Rating									
	70 A	2	4	2	HOM24L70RB [25]	12–3	14–4	70	PK4GTA	1R
	100 A	6	12	6	HOM612L100RB [26]	8–1		100	PK7GTA	2R
	125 A	4	8	4	HOM48L125GRB	12–2/0	14–2/0	125	PK7GTA Included	15R

Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.

HOM Plug-on Neutral Load Center Main Lugs, Convertible Mains
Single-phase, three-wire—120/240 Vac Rainproof—UL Listed

Table 1.60: Convertible Main Lugs Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)

	Mains Rating	Bus Rating	Spaces	Max. Single Pole Circuits [23]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover	Main Wire Size AWG/kcmil		Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [24]
						Cat. No. (DE3C)	Al	Cu		Cat. No. (DE3A)	
RAINPROOF	Convertible Mains with Factory-installed Main Lugs [27], QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See Below)										
	125 A	125	8	16	8	HOM816L125PRB	6–2/0	6–1	125	PK9GTA	3R
		125	12	24	12	HOM1224L125PRB			125	PK15GTA	3R
		125	20	40	20	HOM2040L125PRB			125	PK18GTA	4R
		125	24	48	24	HOM2448L125PRB			125	PK23GTA	6R
	Convertible Mains with Factory-installed Main Lugs [27], QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See Below)										
	225 A	225	12	12	0	HOM12L225PRB	4–300	4–250	225	PK9GTA	5R
		225	16	32	16	HOM1632L225PRB OBS			225	PK15GTA	6R
		225	20	40	20	HOM2040L225PRB			225	PK18GTA	6R
		225	30	60	30	HOM3060L225PRB			225	PK23GTA	7R
		225	40	80	40	HOM4080L225PRB			225	PK27GTA	14R
		225	42	84	42	HOM4284L225PRB			225	PK27GTA	14R

Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.

OBS This product is obsolete.

HOM Plug-on Neutral Load Center Main Breaker, Convertible Mains
Single-phase, three-wire—120/240 Vac Rainproof—UL Listed

Table 1.61: Convertible Main Breaker Plug-on Neutral Load Centers (Compatible with HOM Plug-on Circuit Breakers and HOM Plug-on Neutral Circuit Breakers)

	Mains Rating	Spaces	Max. Single Pole Circuits [23]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover	Main Wire Size AWG/kcmil		Bus Rating	Equipment Ground Bar Kit (Order Separately)	Box No. [24]
					Cat. No. (DE3C)	Al	Cu		Cat. No. (DE3A)	
	Main Circuit Breaker—22 kA Short Circuit Current Rating									
	Convertible Mains with Factory-installed Main Circuit Breaker, QOM1 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See Below) [28]									
RAINPROOF	100 A	8	16	8	HOM816M100PRB	6–2/0	6–1	125	PK9GTA	3R
		12	24	12	HOM1224M100PRB			125	PK15GTA	3R
		20	40	20	HOM2040M100PRB			125	PK18GTA	4R
	125 A	8	16	8	HOM816M125PRB OBS	6–2/0	6–1	125	PK9GTA	3R
		24	48	24	HOM2448M125PRB			125	PK23GTA	6R
	Convertible Mains with Factory-installed Main Circuit Breaker, QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See Below)									
	150 A	30	60	30	HOM3060M150PRB	4–250	4–250	225	PK23GTA	7R
		12	12	0	HOM12M200PRB			225	PK9GTA	5R
		20	40	20	HOM2040M200PRB			225	PK18GTA	6R
		30	60	30	HOM3060M200PRB			225	PK23GTA	7R
		40	80	40	HOM4080M200PRB			225	PK27GTA	14R
	Convertible Mains with Factory-installed Main Circuit Breaker with Feed-thru Lugs, QOM2 Main Frame Size—Convertible to Main Lugs or Lower Amperage Main Circuit Breaker (See Below) [27]									
150 A	8	16	8	HOM816M150PFTRB	4–250		150	PK15GTA	6R	
200 A	8	16	8	HOM816M200PFTRB	4–250		225	PK15GTA	6R	

Above listings through 200 A mains rating meet Federal Specification W-P-115c as Type 1, Class 2.

OBS This product is obsolete.

[23] Maximum single pole branch circuits utilizing HOM and/or HOMT circuit breakers.

[24] See page 1-42

[25] HOM-GFI and HOM-AFI branch circuit breakers are limited to number 10 maximum wire.

[26] 70 A maximum branch circuit breaker, 100 A maximum back feed main circuit breaker.

[27] Side hinge door device allow 1-1/4 in. on left side for door to open.

[28] 22 k AIR main circuit breaker UL Listed for use ahead of HOM and HOMT 10 k AIR branch circuit breakers to permit their application on systems with up to 22 kA available fault current.