

Rainproof, 1Ø, Main Lugs and Main Circuit Breakers

1Ø3W—120/240 Vac—UL Listed

Table 1.50: Convertible Main Load Centers (Accepts Only HOM Plug-On Circuit Breakers.)

	Mains Rating	Spaces	Max. Single Pole Circuits [8]	Max. Tandem Circuit Breakers	Load Center Box, Interior and Cover	Main Wire Size AWG/kcmil		Equipment Ground Bar Kit (Order Separately)	Box No. [9]
					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 [10]	12–3	14–4	PK4GTA	1R
	100 A	6	12	6	HOM612L100RB [11]	8–1		PK7GTA	2R
	125 A	4	8	4	HOM48L125GRB	12–2/0	14–2/0	PK7GTA Included	15R
	Convertible Mains with Factory-installed Main Lugs [12], QOM1 Main Frame Size—Convertible to Main Circuit Breaker (See Below)								
	125 A	8	16	8	HOM816L125PRB	6–2/0	6–1	PK9GTA	3R
		12	24	12	HOM1224L125PRB			PK15GTA	3R
		20	40	20	HOM2040L125PRB			PK18GTA	4R
		24	48	24	HOM2448L125PRB			PK23GTA	6R
	Convertible Mains with Factory-installed Main Lugs [12], QOM2 Main Frame Size—Convertible to Main Circuit Breaker (See Below)								
	225 A	12	12	0	HOM12L225PRB	4–300	4–250	PK9GTA	5R
		16	32	16	HOM1632L225PRB			PK15GTA	6R
		20	40	20	HOM2040L225PRB			PK18GTA	6R
		30	60	30	HOM3060L225PRB			PK23GTA	7R
		40	80	40	HOM4080L225PRB			PK27GTA	14R
		42	84	42	HOM4284L225PRB			PK27GTA	14R
RAINPROOF	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) [13]								
	100 A	8	16	8	HOM816M100PRB	6–2/0	6–1	PK9GTA	3R
		12	24	12	HOM1224M100PRB			PK15GTA	3R
		20	40	20	HOM2040M100PRB			PK18GTA	4R
	125 A	8	16	8	HOM816M125PRB	6–2/0	6–1	PK9GTA	3R
		24	48	24	HOM2448M125PRB			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		PK23GTA	7R
	200 A	12	12	0	HOM12M200PRB	4–250		PK9GTA	5R
		20	40	20	HOM2040M200PRB			PK18GTA	6R
		30	60	30	HOM3060M200PRB			PK23GTA	7R
		40	80	40	HOM4080M200PRB			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) [12]								
	150 A	8	16	8	HOM816M150PFTRB	4–250		PK15GTA	6R
	200 A	8	16	8	HOM816M200PFTRB	4–250		PK15GTA	6R

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

1Ø, Field-Installed Mains Kits

Table 1.51: For Convertible Load Centers Only

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
		225 A	150–225 A	QOL225	6–300 Al or Cu
Main Circuit Breaker [13]	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 [17]	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	QOM225VH	



QOL125



QOL225

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

[9] See Rainproof, Dimensions, Knockouts and Bolt-on Hubs, page 1-22.

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

[11] 70 A maximum branch circuit breaker, 100 A maximum back feed main circuit breaker.

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

[13] 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.

[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 QO™ Load Centers, page 1-7 and QO™ and Homeline™ Load Centers and Circuit Breakers, page 1-14 under Main Wire Size.

[16] If main circuit breaker knockout has been removed from the load center's trim, order appropriate filler plate from QO and Homeline Load Center Accessories, page 1-15.

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

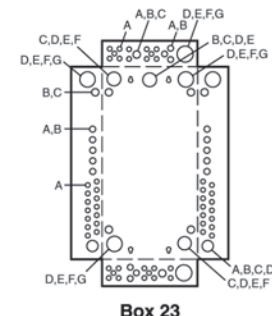
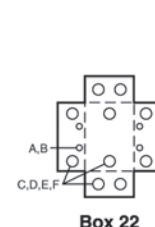
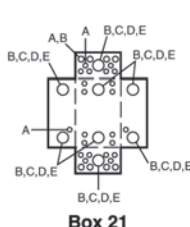
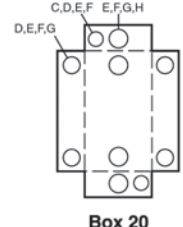
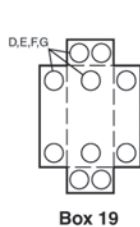
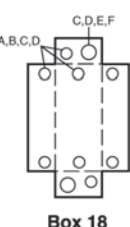
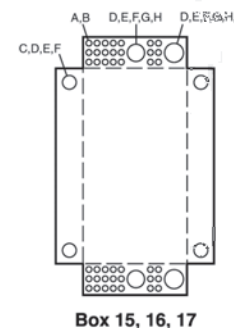
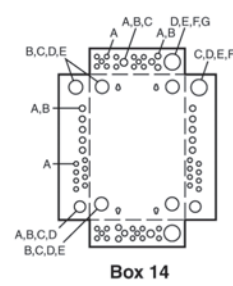
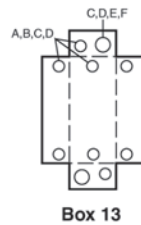
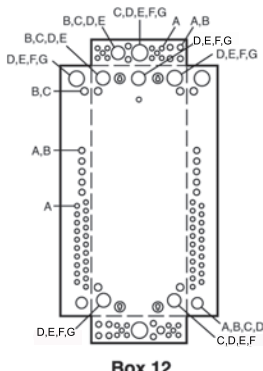
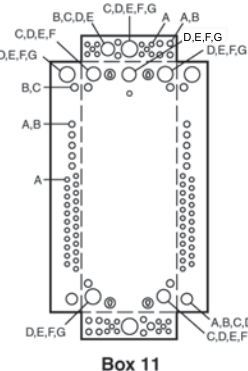
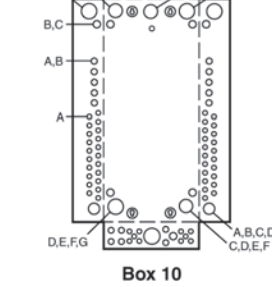
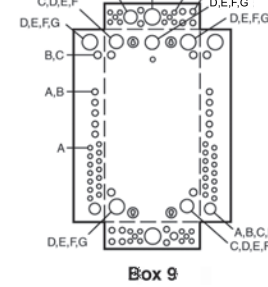
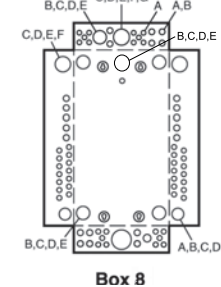
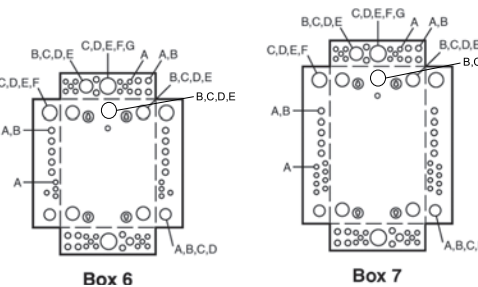
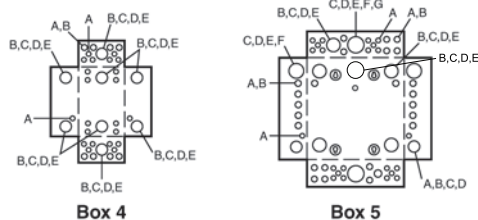
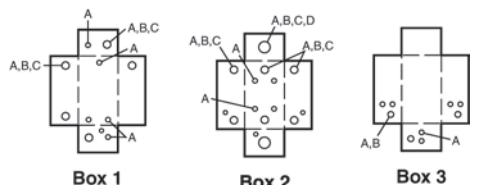
Indoor Knockout Information and Enclosure Dimensions

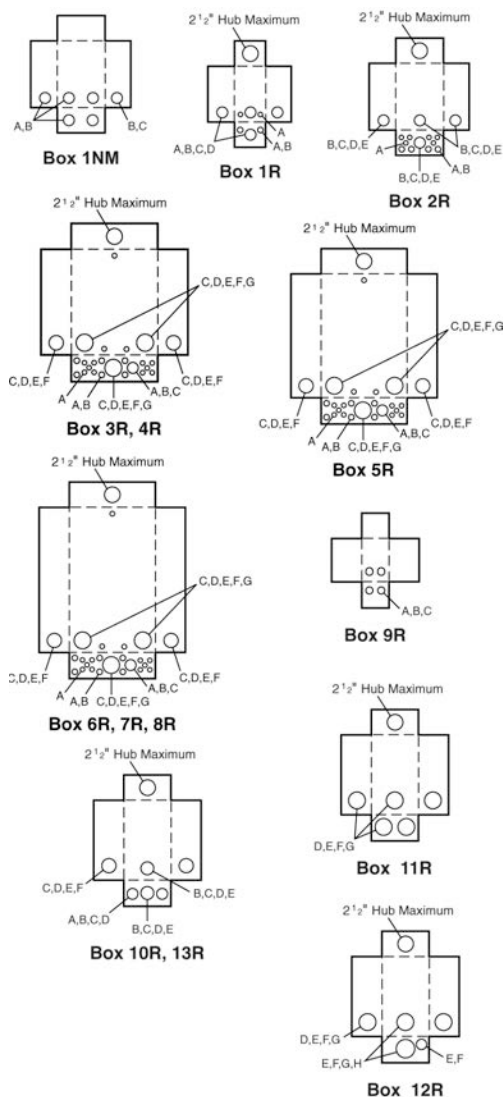
Table 1.52: Enclosure Dimensions

Box No.	Dimensions						Box No.	Dimensions					
	W	mm	H	mm	D	mm		W	mm	H	mm	D	mm
1	3.81	97	6.72	171	3.00	76	13	5.88	149	13.12	333	3.38	86
2	4.81	122	9.30	236	3.19	81	14	14.25	362	20.92	531	3.75	95
3	4.81	122	9.30	236	3.19	81	15	20.00	508	50.00	1270	5.75	146
4	8.88	226	12.57	319	3.80	97	16	20.00	508	62.00	1727	5.75	146
5	14.25	362	14.92	379	3.75	95	17	20.00	508	53.00	1346	5.75	146
6	14.25	362	17.92	455	3.75	95	18	5.88	149	16.12	409	3.38	86
7	14.25	362	20.92	531	3.75	95	19	7.56	192	23.12	587	4.25	108
8	14.25	362	26.04	661	3.75	95	20	9.62	244	26.12	663	4.75	121
9	14.25	362	29.86	758	3.75	95	21	8.88	226	14.80	376	3.80	97
10	14.25	362	33.78	858	3.75	95	22	8.55	217	23.92	608	3.95	100
11	14.25	362	37.98	965	3.75	95	23	14.25	362	29.86	758	3.75	95
12	14.25	362	39.37	1000	3.75	95	24	14.25	362	43.15	1096	3.75	95
							25	14.25	362	48.50	1235	3.75	95

Table 1.53: Knockout Information

Symbol	Knockouts								
	A	B	C	D	E	F	G	H	I
Conduit Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2





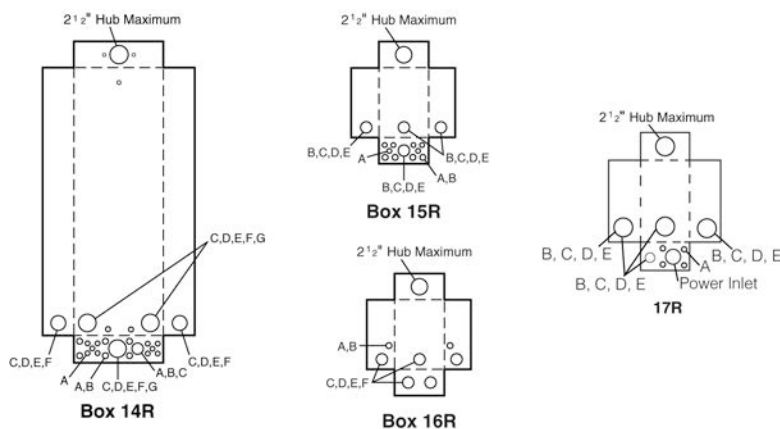
Enclosure Dimensions and Knockout Information

Table 1.54: Enclosure Dimensions

Box No.	Dimensions					
	W		H		D	
	in.	mm	in.	mm	in.	mm
1NM	6.52	166	8.79	223	3.90	99
1R [1]	4.88	124	9.38	238	4.00	102
2R	8.88	226	12.65	321	4.27	108
3R	14.75	375	18.92	481	4.52	115
4R	14.75	375	22.06	560	4.52	115
5R	14.75	375	26.04	661	4.52	115
6R	14.75	375	29.86	758	4.52	115
7R	14.75	375	33.78	858	4.52	115
8R	14.75	375	37.98	965	4.52	115
9R	4.56	116	6.50	165	3.88	99
10R	6.92	176	13.18	335	4.12	105
11R	7.56	192	23.24	590	4.75	121
12R	9.62	244	26.24	666	5.50	140
13R	6.92	176	16.18	411	4.12	105
14R	14.75	375	39.37	1000	4.52	115
15R	8.88	226	14.80	376	4.27	108
16R	8.55	217	24.75	629	4.16	106
17R	8.88	226	12.65	321	4.27	108

Table 1.55: Knockout Information

Symbol	Knockouts							
	A	B	C	D	E	F	G	H
Conduit Size	1/2 in.	3/4 in.	1 in.	1-1/4 in.	1-1/2 in.	2 in.	2-1/2 in.	3 in.



Bolt-On Hubs

Square D equipment with "R" or "RB" suffix, designated NEMA 3R rainproof construction, utilizes bolt-on hubs listed below. "RB" devices will accept 3/4 in. through 2-1/2 in. bolt-on hubs without the use of reducers. Off-center conduit thread openings and elongated mounting holes provide quick and easy adjustment to eliminate costly conduit offsets and bends. Catalog suffix "R" devices require 3 in. through 4 in. field cut opening. Hubs are suitable for use with conduit having ANSI standard taper pipe thread.

Table 1.56: Bolt-On Hubs UL Listed for "RB" Devices

Conduit Size	3/4 in.	1 in.	1-1/4 in.	1-1/2 in.	2 in.	2-1/2 in.
Hub Cat. No.	B075	B100	B125	B150	B200	B250

NOTE: Closing cap (Cat. No. BCAP) is provided factory-installed on each device having "RB" suffix.

Table 1.57: Bolt-On Hubs UL Listed for Mounting in Field-Cut Opening

Conduit Size	3 in.	3-1/2 in.	4 in.	
Hub Cat. No.	B300	B350	B400	Designed for mounting in field cut opening. Includes gasket and four mounting bolts and nuts.



[1] HOME250SPA and QO260NATR top endwall has no hub opening.