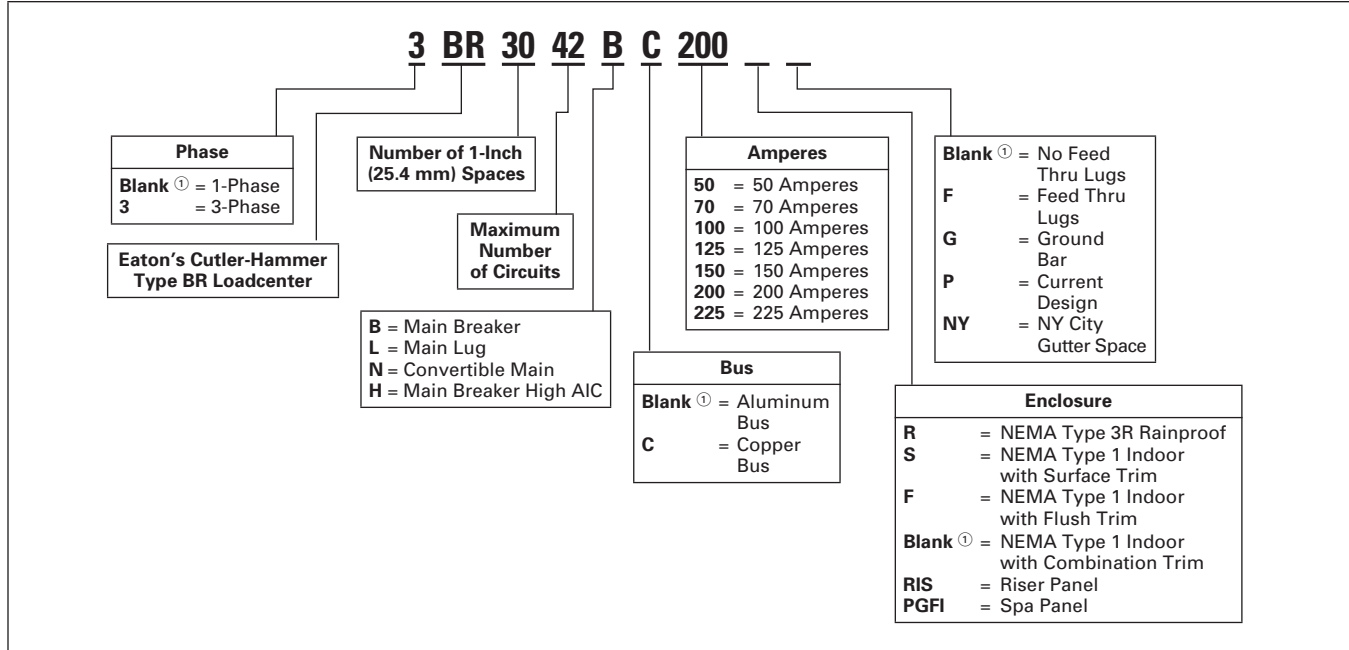


Loadcenter Catalog Numbering System

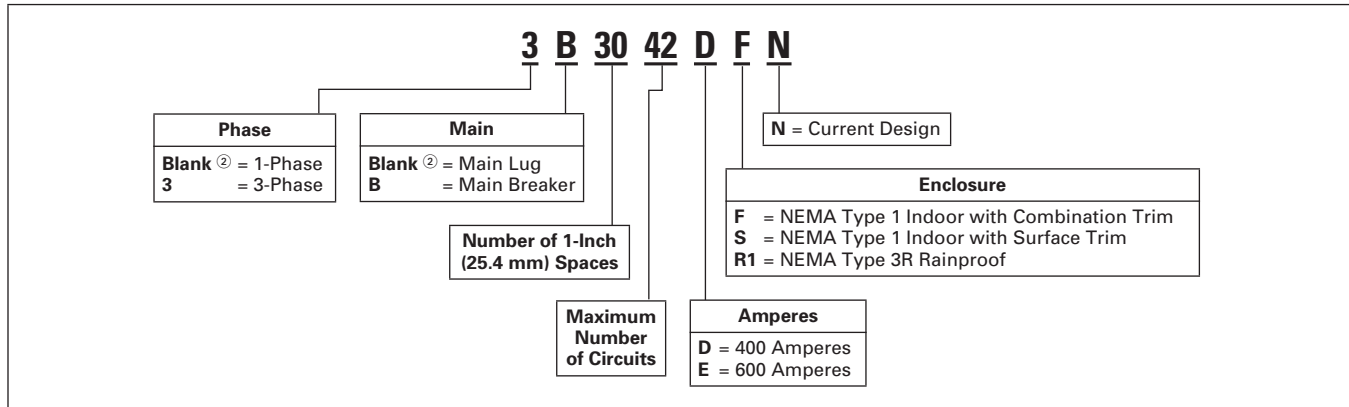
3

Table 3-68. Single- and Three-Phase Through 225 Amperes Catalog Numbering System



① No character space used.

Table 3-69. Single- and Three-Phase 400 Amperes Through 600 Amperes Catalog Numbering System



② No character space used.

Example No. 1: BR1224L125G

Single-Phase Cutler-Hammer Type BR Loadcenter Rated at 125 Amperes with Main Lugs, 12 Spaces Allowing 24 Poles, Indoor Combination Enclosure, Aluminum Bus and Ground Bar.

Example No. 2: BR24L70RP

Single-Phase Cutler-Hammer Type BR Loadcenter Rated at 70 Amperes with Main Lugs, 2 Spaces Allowing 4 Poles, Rainproof Enclosure with Aluminum Bus.

Example No. 3: 3B4242EFN

3-Phase Cutler-Hammer Type BR Loadcenter Rated at 600 Amperes with Main Breaker, 42 Spaces Allowing 42 Poles, Indoor Combination Enclosure.

Single-Phase — Main Circuit Breaker Loadcenters
10,000/25,000 Amperes Interrupting Capacity

Table 3-70. Single-Phase, 3-Wire — 120/240 Vac — Factory Bonded Split Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number with Combination Cover ①	Price U.S. \$
		Space	Circuits						
BR 10 kAIC	100	20	20	Indoor	C2	68	#4 – 1/0	BR2020B100 BR1624B100	
	100	16	24	Indoor	C1	69			
BWH 25 kAIC	150	30	30	Indoor	G1	70	#2 – 300 kcmil #2 – 300 kcmil	BR3030B150 BR2040B200 BR3040B200 BR4040B200	
	200	20	40	Indoor	D1	71			
	200	30	40	Indoor	G1	72			
	200	40	40	Indoor	L1	70			

① Combination style covers may be used in surface or flush applications.

Note: All main circuit breaker loadcenters are listed for use as service entrance equipment. Loadcenters are factory bonded for service entrance applications. Remove bonding strap for separate neutral and ground bars for sub-feed applications

Table 3-71. Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number with Combination ② or NEMA Type 3R Cover	Price U.S. \$				
		Spaces	Circuits										
BR 10 kAIC	100	8	16	Indoor	B1	17	#4 – 1/0 ③	BR816B100 BR1020B100S11 BR1020B100F11 BR1020B100RF ④⑤ BR1212B100 BR1220B100 BR1224B100R ⑤ BR1616B100 BR1620B100 BR1624B100R ⑤ BR2024B100R ⑤					
		10	20	Indoor	A1	65							
		10	20	Indoor	A1	65							
		10	20	Outdoor	B2R	59							
		12	12	Indoor	B2	5							
		12	20	Indoor	B2	19							
		12	24	Outdoor	B2R	17							
		16	16	Indoor	C1	5							
		16	20	Indoor	C1	60							
		16	24	Outdoor	C1R	24							
		20	24	Outdoor	C3R	10							
		30	30	Indoor	⑥	⑥							
		⑥											
	125	16	24	Indoor	C1	24	#4 – 2/0	BR1624B125 BR2024B125 BR2024B125R ⑤					
20	24	Indoor	C1	10									
20	24	Outdoor	C3R	10									
BRH ⑦ 22 kAIC	100	20	24	Indoor	C2	10	#2/0 – 300 kcmil	BR2024H100 ⑦					
BWH ⑧ 25 kAIC	150	8	16	Outdoor	C3R	18	#2 – 300 kcmil	BR816B150RF ④⑤ BR1630B150 BR2030B150 BR2030B150R ⑤ BR2040B150 BR2040B150R ⑤ BR2430B150 BR3030B150R ⑤ BR3040B150					
		16	30	Indoor	C4	25							
		20	30	Indoor	C4	26							
		20	30	Outdoor	D1R	26							
		20	40	Indoor	D1	29							
		20	40	Outdoor	D1R	29							
		24	30	Indoor	G1	27							
		30	30	Outdoor	G1R	28							
		30	40	Indoor	G1	30							
		200	4	8	Outdoor	8R				46	#2 – 300 kcmil	BR48B200RF ④⑨⑩ BR816B200RF ④⑤ BR1632B200 BR2040B200R ⑤ BR2440B200 BR3040B200R ⑤ BR4040B200R ⑤	
		8	16	Outdoor	C3R	18							
		16	32	Indoor	C4	29							
	20	40	Outdoor	D1R	29								
	24	40	Indoor	G1	61								
	30	40	Outdoor	G1R	30								
	40	40	Outdoor	L1R	28								
	225	42	42	Indoor	L2	31	#1 – 250 kcmil	BR4242B225 BR4242B225R ⑤					
	42	42	Outdoor	L2R	31								

② Combination style covers may be used in surface or flush applications.

③ Wire range size for BR1020B100SP is #6 – #1 Cu/Al.

④ Includes through-feed lugs for both phase and neutral conductors.

⑤ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.

⑥ See Copper Bus Offering, **Page 3-55**.

⑦ 22 kAIC series combination rating is obtained when Types BD, BR, BQ, BQC and GFCB 10 kAIC branch breakers are used in series with Type BRH main breaker.

⑧ 25 kAIC series combination rating is obtained when Types BD, BR, BQ, BQC and GFCB 10 kAIC branch circuit breakers are used in series with Type BWH main breaker.

⑨ Supplied with adapter plate to use DS Group1 hubs on **Page 3-63**. If 2.50-inch (63.5 mm) hub is needed, remove adapter and use ARP00007CH25 hub.

⑩ Neutral is bonded — suitable for service entrance only — cannot be converted for sub-feed application.

Note: All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with neutral bonding strap preattached. The maximum rating of the panel is the main circuit breaker rating when used as service entrance equipment. Ground bar kits priced separately. See **Page 3-64**.

Box Sizes **Pages 3-77 through 3-79**
 Discount Symbol **22C**

Loadcenter Product Selection

3

Main Circuit Breaker Loadcenters
10,000/22,000/25,000 Amperes Interrupting Capacity

Table 3-72. Main Circuit Breaker Loadcenters — With Copper Bus — Single-Phase 3-Wire — 120/240 Vac — Factory Bonded Split Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number with Combination Cover ①②	Price U.S. \$	
		Spaces	Circuits							
BR 10 kAIC	100	20	20	Indoor	C2	68	#4 – 1/0	BR2020BC100		
		30	30	Indoor	D1	16	#4 – 1/0	BR3030BC100		
BRH 22 kAIC③	100	30	30	Indoor	D1	16	#4 – 1/0	BR3030HC100		
BWH 25 kAIC	150	30	30	Indoor	G1	70	#2 – 300 kcmil	BR3030BC150		
		200	20	40	Indoor	D1	71	#2 – 300 kcmil	BR2040BC200	
			30	40	Indoor	G1	72	#2 – 300 kcmil	BR3040BC200	
		40	40	Indoor	L1	70	#2 – 300 kcmil	BR4040BC200		

- ① All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with neutral bonding strap preattached. The maximum rating of the panel is the main circuit breaker rating when used as service entrance equipment.
- ② Ground bar kits priced separately. See **Page 3-64**.
- ③ 22 kAIC series combination rating is obtained when Types BD, BR, BQ, BQC and GFCB 10 kAIC branch breakers are used in series with Type BRH main breaker

Main Circuit Breaker Loadcenters
10,000/22,000 Amperes Interrupting Capacity

Table 3-73. Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

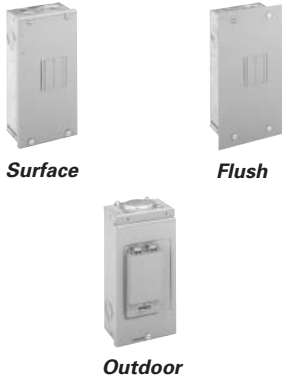
Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Commercial Loadcenter Catalog Number ④⑤⑥			
		Spaces	Circuits					With Flush or NEMA Type 3R Cover	Price U.S. \$	With Surface Cover	Price U.S. \$
DK ⑦	300	42	42	Indoor	24	36	(2) #3/0 – 250 kcmil	BR304242F		BR304242S	
		42	42	Indoor	24	36	(2) #3/0 – 250 kcmil	B4242DFN		B4242DSN	
	400	42	42	Outdoor	47	36		B4242DR1N ⑧		—	
HLD ⑨	600	42	42	Indoor	24	36	(2) #3/0 – 500 kcmil	B4242EFN		B4242ESN	

- ④ Ground bar kits priced separately. See **Page 3-64**.
- ⑤ The maximum rating of the panel is the main circuit breaker rating when used as service entrance equipment.
- ⑥ Door lock and key included with loadcenter.
- ⑦ Type DK main circuit breaker is rated 65 kAIC at 240 Vac and allows a 22 kAIC series rating on the panel when Types BR, BD and BJ branch circuit breakers are used.
- ⑧ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.
- ⑨ Type HLD main circuit breaker is rated 65 kAIC at 240 Vac. Type HLD circuit breaker is **not** series rated with Types BR, BD and BJ branch circuit breakers.

Box Sizes **Pages 3-77 through 3-79**
 Discount Symbol **22CD**

Loadcenter Product Selection

2 Circuits, 20 Amperes



4, 6 and 8 Circuits, 125 Amperes



2 Circuits, 125 Amperes



Single-Phase — Main Lug Loadcenters

Table 3-74. Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Type of Enclosure	Type of Trim	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Loadcenter Catalog Number	Price U.S. \$			
	Spaces	Circuits										
70	2	4	Indoor	Surface (No Door)	5	1	#8 - #2	BR24L70SP ①② BR24L70SGP ②③ BR24L70RP ①②④ BR24L70FP ①② BR24L70FGP ②⑤				
	2	4	Indoor	Surface (No Door)	5	1						
	2	4	Outdoor	—	5R	1						
	2	4	Indoor	Flush (No Door)	5	1						
	2	4	Indoor	Flush (No Door)	5	1						
125	2	4	Indoor	Surface (No Door)	6	1	#14 - 1/0	BR24L125SP ①② BR24L125RP ①②④ BR24L125RSEP ②⑥⑦⑧ BR24L125RSE2P ②⑥⑦⑧ BR24L125FP ①②				
	2	4	Outdoor	—	6R	1						
	2	4	Outdoor	—	6R	1						
	2	4	Outdoor	—	6R	1						
	2	4	Indoor	Flush (No Door)	6	1						
	4	8	Indoor	Surface (No Door)	7	2	#14 - 1/0	BR48L125SP ①⑨ BR48L125SGP ③⑨ BR48L125RP ①④⑨ BR48L125FP ①⑨ BR48L125FDP ①⑨ BR48L125FGP ③⑨				
	4	8	Indoor	Surface (No Door)	7	2						
	4	8	Outdoor	—	7R	2						
	4	8	Indoor	Flush (No Door)	7	2						
	4	8	Indoor	Flush (With Door)	7	2						
	4	8	Indoor	Flush (No Door)	7	2						
	6	12	Indoor	Surface (No Door)	7	3	#14 - #1	BR612L125SP ①⑩ BR612L125SGP ⑩⑩ BR612L125SDP ①⑩ BR612L125SDGP ⑩⑩ BR612L125RP ①④⑩ BR612L125FP ①⑩ BR612L125FGP ⑤⑩⑩ BR612L125FDP ⑩ BR612L125FDGP ⑤⑩⑩				
	6	12	Indoor	Surface (No Door)	7	3						
	6	12	Indoor	Surface (With Door)	7	3						
	6	12	Indoor	Surface (With Door)	7	3						
	6	12	Outdoor	—	7R	3						
	6	12	Indoor	Flush (No Door)	7	3						
	6	12	Indoor	Flush (No Door)	7	3						
	6	12	Indoor	Flush (With Door)	7	3						
	6	12	Indoor	Flush (With Door)	7	3						
	8	16	Indoor	Surface (No Door)	7	4				#14 - #1	BR816L125SP ①⑩ BR816L125SGP ⑩⑩ BR816L125SDP ①⑩ BR816L125SDGP ⑩⑩ BR816L125RP ①④⑩ BR816L125FP ①⑩ BR816L125FGP ⑤⑩⑩ BR816L125FDP ①⑩ BR816L125FDGP ⑤⑩⑩	
	8	16	Indoor	Surface (No Door)	7	4						
	8	16	Indoor	Surface (With Door)	7	4						
	8	16	Indoor	Surface (With Door)	7	4						
	8	16	Outdoor	—	7R	4						
	8	16	Indoor	Flush (No Door)	7	4						
	8	16	Indoor	Flush (No Door)	7	4						
	8	16	Indoor	Flush With Door	7	4						
8	16	Indoor	Flush With Door	7	4							
8	16	Indoor	Flush (With Door)	7	4							
8	16	Indoor	Flush (With Door)	7	4							

① Ground bar kits priced separately. See Page 3-64.
 – For 2/4 circuit loadcenters use GBK5 or GBK520 Ground Bar.
 – For 4/8, 6/12 and 8/16 circuit loadcenters use GBK10 Ground Bar.
 – Ground bars mount to the left side wall of the enclosure for the 4/8, 6/12 and 8/16 circuit loadcenters.

② Suitable for use as service equipment when not more than two service disconnecting mains are provided or when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).

③ Ground bar GBK5 is installed.

④ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to Page 3-63.

⑤ CSA and UL approved.

⑥ Neutral/ground holes (6) #14 – 6 and (3) #14 – 2/0 AWG Cu/Al.

⑦ For use as service entrance applications only.

⑧ Neutral/ground holes (6) #14 – 6 and (3) #14 – 1/0 AWG Cu/Al.

⑨ Suitable for use as service equipment when not more than two service disconnecting mains are provided or when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).

⑩ Suitable for use as service equipment when a main breaker is used or when not more than six service disconnecting mains are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).

⑪ Ground bar GBK10 is installed.

⑫ Ground bar GBK14 is installed.

Box Sizes Pages 3-77 through 3-79
 Discount Symbol 22CD

Loadcenter Product Selection

Single-Phase — Main Lug Loadcenters

Table 3-74. Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral (Continued)

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Loadcenter Catalog Number with Combination or NEMA Type 3R Cover ①	Price U.S. \$
	Spaces	Circuits						
125	12	12	Indoor	B1	9	#6 – 2/0	BR1212L125 ②③④⑤ BR1224L125 ②④⑤ BR1224L125G ②④⑤⑥ BR1224L125DG ②④⑤⑦ BR1224L125R ②⑤⑧ BR1616L125 ②⑤ BR1624L125 ②④ BR1624L125G ②④⑥ BR1624L125R ②⑧ BR2020L125 ②⑤ BR2024L125 ②④ BR2024L125G ②④⑨ BR2024L125R ②⑧ BR2424L125 ②④ BR2424L125G ②④⑨	
	12	24	Indoor	B1	6			
	12	24	Indoor	B1	6			
	12	24	Indoor	B1	6			
	12	24	Outdoor	B1R	6			
	16	16	Indoor	B2	5			
	16	24	Indoor	B2	7			
	16	24	Indoor	B2	7			
	16	24	Outdoor	B2R	7			
	20	20	Indoor	C1	5			
	20	24	Indoor	C1	8			
	20	24	Indoor	C1	8			
	20	24	Outdoor	C1R	8			
	24	24	Indoor	C2	5			
	24	24	Indoor	C2	5			
	150	16	30	Indoor	C2			
20		30	Indoor	C2	11			
200	8	16	Outdoor	B2R	63	#1 – 300 kcmil	BR816L200RF ⑤⑧⑩ BR1224L200 ④⑤⑩ BR1224L200R ⑤⑧⑩ BR2040L200 ④⑩ BR2040L200G ④⑨⑩ BR2040L200R ⑧⑩ BR2440L200 ④⑩ BR3040L200 ④⑩ BR3040L200G ④⑨⑩ BR3040L200R ⑧⑩ BR4040L200 ④⑩ BR4040L200G ④⑩ BR4040L200R ⑧⑩	
	12	24	Indoor	B2	12			
	12	24	Outdoor	B2R	12			
	20	40	Indoor	C2	12			
	20	40	Indoor	C2	12			
	20	40	Outdoor	C3R	12			
	24	40	Indoor	C4	64			
	30	40	Indoor	D1	15			
	30	40	Indoor	D1	15			
	30	40	Outdoor	D1R	15			
	40	40	Indoor	G1	5			
	40	40	Indoor	G1	5			
	40	40	Outdoor	G1R	5			
225	42	42	Indoor	L1	20	#1 – 300 kcmil	BR4242L225 BR4242L225R ⑧	
	42	42	Outdoor	L1R	20			

- ① Ground bar kits priced separately unless otherwise noted. See Page 3-64.
- ② Has notch for BREQS125 hold-down kit.
- ③ Single, movable neutral is provided.
- ④ Combination cover style.
- ⑤ Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).
- ⑥ Ground bar GBK10 installed.
- ⑦ Ground bars GBK5 and GBK520 installed.
- ⑧ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to Page 3-63.
- ⑨ Ground bar GBK1220 installed.
- ⑩ Has notch for BRHDK125 hold-down kit.
- ⑪ Includes through-feed lugs for both phase and neutral conductors.

Single-Phase — Main Lug Loadcenters, Non-Metallic

Table 3-75. Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Type of Trim	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Loadcenter Catalog Number	Price U.S. \$
	Spaces	Circuits							
40 ⑩	⑩	⑩	Indoor	Flush No Door	2	66	⑩	TT120FLGNM ⑩⑪ TT120SLGNM ⑩⑪	
		⑩	Indoor	Surface No Door	2	66			
60	2	4	Indoor	Flush No Door	2	1	#14 – 2	2460FNM 2460SNM 2460FGNM ⑫ 2460SGNM ⑫ 2460RNM	
		4	Indoor	Surface No Door	2	1			
		4	Indoor	Flush No Door	2	1			
		4	Indoor	Surface No Door	2	1			
		4	Outdoor	—	⑮	1			

- ⑩ Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).
- ⑪ This device has no main lugs. A Type BR or BD breaker is required to be backfed to supply power to branch breakers. This device is single-phase 120 Vac only. With the use of three Type BR breakers there are two branch circuits available. With the use of three Type BD breakers there are five branch circuits available.
- ⑫ Includes GB4NM ground bar.
- ⑬ 2460 RNM uses the non-metric ACD enclosure. See ACD Section for dimensions.

Box Sizes Pages 3-77 through 3-79
Discount Symbol 22CD

Single-Phase — Main Lug Loadcenters — 400 and 600 Ampere

Table 3-76. Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Commercial Loadcenter Catalog Number ①②③			
	Spaces	Circuits					With Flush or NEMA Type 3R Cover	Price U.S. \$	With Surface Cover	Price U.S. \$
400	12	24	Indoor	19	44	(1) #4/0 – 750 kcmil or (2) #3/0 – 400 kcmil	—		1224DSN ⑤	
	12	24	Outdoor	42	44		1224DR1N ④⑤		—	
	24	42	Indoor	20	21		—		2442DSN	
	42	42	Indoor	22	14		4242DFN		4242DSN	
	42	42	Outdoor	46	14		4242DR1N ④		—	
600	42	42	Indoor	22	14	(2) #2 – 500 kcmil	—	4242ESN		

- ① Ground bar kits priced separately unless otherwise noted. See **Page 3-64**.
- ② Has notch for BRHDK125 hold-down kit.
- ③ Ground bar GBK8 installed.
- ④ Rainproof panels are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.
- ⑤ Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).

Table 3-77. Single-Phase 3-Wire — 120/240 Vac — Single Neutral with Copper Bus

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Type of Trim	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Loadcenter Catalog Number	Price U.S. \$
	Spaces	Circuits							
125	8	16	Indoor	Surface w/door	7	7	#14 – 1	BR816LC125SDP BR816LC125FDP	
	8	16	Indoor	Flush w/door	7	7			

Loadcenter Product Selection

3-Phase — Main Circuit Breaker Loadcenters
10,000 Amperes Interrupting Capacity

Table 3-78. 3-Phase 4-Wire — 208Y/120 Vac or 240 Vac Insulated/Bondable Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number ^{①②} (With Combination or NEMA Type 3R Cover)	Price U.S. \$	
		Spaces	Circuits							
BR 10 kAIC	100	12	24	Indoor	C1	65	#4 – 1/0	3BR1224B100 3BR1224B100R ^③		
		12	24	Outdoor	C1R	65				
CC 10 kAIC	150	30	42	Indoor	L1	41	#1 – 3/0	3BR3042B150 3BR3042B150R ^③		
		30	42	Outdoor	L1R	41				
	200	30	42	42	Indoor	L1	41	#1 – 250 kcmil	3BR3042B200 3BR3042B200R ^③ 3BR4242B200 3BR4242B200R ^③	
			30	42	Outdoor	L1R	41			
		42	42	Indoor	L2	43				
		42	42	Outdoor	L2R	43				
	225	42	42	42	Indoor	L2	43	#1 – 300 kcmil	3BR4242B225 3BR4242B225R ^③	
			42	42	Outdoor	L2R	43			

① All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with a neutral bonding strap pre-attached (commercial loadcenters do not have a pre-attached bonding strip). The maximum main rating of the panel is the main circuit breaker rating when used as service entrance equipment.

② Ground bar kits priced separately. See **Page 3-64**.

③ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.

3-Phase — Main Circuit Breaker Loadcenters
22,000/65,000 Amperes Interrupting Capacity

Table 3-79. 3-Phase, 4-Wire — 208Y/120 Vac or 240 Vac Insulated/Bondable Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Commercial Loadcenter Catalog Number ^{④⑤⑥} (With Combination or NEMA Type 3R Cover)	Price U.S. \$
		Spaces	Circuits						
DK ^⑦ 22 kAIC	400	42	42	Indoor	24	42	(2) #3/0 – 250 kcmil	3B4242DFN 3B4242DR1N ^⑧	
		42	42	Outdoor	47	42			
LD ^⑨	600	42	42	Indoor	24	42	(2) #3/0 – 500 kcmil	3B4242EFN	

④ All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with a neutral bonding strap pre-attached (commercial loadcenters do not have a pre-attached bonding strip). The maximum main rating of the panel is the main circuit breaker rating when used as service entrance equipment.

⑤ Ground bar kits priced separately. See **Page 3-64**.

⑥ Door lock and key included with loadcenter.

⑦ Type DK main circuit breaker is rated 65 kAIC at 240 Vac and allows a 22 kAIC series rating on the loadcenter when Types BR, BD and BJ branch circuit breakers are used.

⑧ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.

⑨ The LD main circuit breaker is rated 65 kAIC at 240 Vac. Type LD circuit breaker is **not** series rated with Types BR, BD and BJ branch circuit breakers.

3-Phase — High Interrupting Rated Main Circuit Breaker Loadcenters
22,000/100,000 Amperes Interrupting Capacity

Table 3-80. 3-Phase 4-Wire — 208Y/120 Vac or 240 Vac Insulated/Bondable Neutral

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number ^{⑩⑪}	
		Spaces	Poles				with Combination Cover	with Surface Cover
BRH 22 kAIC ^⑫	100	12	24	Indoor	C1	#4 – 1/0	3BR1224H100	3BR1224H100S
CHH 100 kAIC ^⑬	150	30	42	Indoor	L1	#1 – 250 kcmil	3BR3042H150	3BR3042H150S
CHH 100 kAIC ^⑬	200	30	42	Indoor	L1	#1 – 250 kcmil	3BR3042H200	3BR3042H200S
		42	42	Indoor	L2		3BR4242H200	3BR4242H200S

⑩ All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with a neutral bonding strap pre-attached.

⑪ Ground bar kits priced separately.

⑫ 22,000 AIC series combination rating is obtained when Types BD, BR, BQ, BQC and GFGB branch breakers are used with BRH main.

⑬ 100,000 AIC series combination rating is obtained when Types BD, BR, BQ, BQC and GFGB branch breakers are used with CHH main

Box Sizes **Pages 3-77** through **3-79**
Discount Symbol **22CD**

Loadcenter Product Selection

3

3-Phase — Main Lug Loadcenters

Table 3-81. 3-Phase 4-Wire — 208Y/120 Vac or 240 Vac Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Loadcenter Catalog Number ^① (With Combination or NEMA Type 3R Cover)	Price U.S. \$
	Spaces	Circuits						
100	3	3	Indoor	9	32	#14 – 1/0	3BR3L100S ^② 3BR3L100R ^③	
	3	3	Outdoor	9R	32			
125	12	24	Indoor	C1	35	#6 – 2/0	3BR1224L125 ^{④⑤} 3BR1224L125R ^{③④⑤}	
	12	24	Outdoor	C1R	35			
150	24	42	Indoor	D1	34	#1 – 300 kcmil	3BR2442L150 3BR2442L150R ^③	
	24	42	Outdoor	D1R	34			
200	12	24	Indoor	C4	35	#1 – 300 kcmil	3BR1224L200 ^⑤ 3BR1224L200R ^{③⑤} 3BR3042L200 3BR3042L200R ^③ 3BR4242L200 3BR4242L200R ^③	
	12	24	Outdoor	C3R	35			
	30	42	Indoor	G1	33			
	30	42	Outdoor	G1R	33			
	42	42	Indoor	L1	37			
	42	42	Outdoor	L1R	37			
225	42	42	Indoor	L1	37	#1 – 300 kcmil	3BR4242L225 3BR4242L225R ^③	
	42	42	Outdoor	L1R	37			

- ① Ground bar kits priced separately. See **Page 3-64**.
- ② Surface cover only.
- ③ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.
- ④ Has notch for BREQS125 hold-down kit.
- ⑤ Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).
- ⑥ Door lock and key included with loadcenter.

3-Phase — Main Lug Loadcenters

Table 3-82. 3-Phase, 4-Wire — 208Y/120 Vac or 240 Vac Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Commercial Loadcenter Catalog Number ^⑦			
	Spaces	Circuits					With Flush or NEMA Type 3R Cover	Price U.S. \$	With Surface Cover	Price U.S. \$
400	18	36	Indoor	19	40	(1) 250 – 750 kcmil or (2) #3/0 – 250 kcmil	—		—	
	18	36	Outdoor	43	40		—		—	
	24	42	Indoor	19	38		—		—	
	42	42	Indoor	22	39		34242DFN		34242DSN	
	42	42	Outdoor	46	39		34242DR1N ^⑧		—	
600	42	42	Indoor	22	39	(2) #2 – 500 kcmil	—		34242ESN	

- ⑦ Door lock and key included with loadcenter.
- ⑧ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.

Box Sizes **Pages 3-77 through 3-79**
 Discount Symbol **22CD**

Loadcenter Product Selection

Convertible Loadcenters MCB or MLO — Base Units and Main Devices
10,000/22,000/25,000 Amperes Interrupting Capacity
Complete Assembly Consists of: Loadcenter and Either Main Breaker Kit or Main Lug Kit

Note: Interrupting rating depends on main circuit breaker selected.

3

Table 3-83. Base Units — Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

Main Ampere Rating ^①	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main	Loadcenter Catalog Number With Combination or NEMA Type 3R Cover ^{②③}	Price U.S. \$	
	Spaces	Circuits							
125 ^④	12	24	Indoor	B2	49	See main breaker and main lug kit tables next page.	BR1224N125 ^{⑤⑥} BR1224N125R ^{⑤⑥⑦} BR1624N125 ^⑤ BR1624N125R ^{⑤⑦} BR2024N125 ^⑤ BR2024N125R ^{⑤⑦}		
	12	24	Outdoor	B2R	49				
	16	24	Indoor	C1	45				
	16	24	Outdoor	C1R	45				
	20	24	Indoor	C2	50				
	20	24	Outdoor	C3R	50				
200 ^⑧	8	16	Outdoor	C3R	52		See main breaker and main lug kit tables next page.	BR816N200RF ^{⑦⑨⑩} BR1224N200 ^⑩ BR1224N200R ^{⑦⑩} BR1632N200 ^⑩ BR2040N200 ^⑩ BR2040N200G ^⑪ BR2040N200R ^{⑦⑩} BR2040N200RG ^⑪ BR2440N200 ^{⑦⑩} BR3040N200 ^⑩ BR3040N200G ^⑪ BR3040N200R ^{⑦⑩} BR3040N200RG ^⑪ BR4040N200 ^⑩ BR4040N200G ^⑪ BR4040N200R ^{⑦⑩} BR4040N200RG ^⑪	
	12	24	Indoor	C4	13				
	12	24	Outdoor	C3R	13				
	16	32	Indoor	C4	13				
	20	40	Indoor	D1	13				
	20	40	Indoor	D1	13				
	20	40	Outdoor	D1R	13				
	20	40	Outdoor	D1R	13				
	24	40	Indoor	G1	61				
	30	40	Indoor	G1	53				
	30	40	Indoor	G1	53				
	30	40	Outdoor	G1R	53				
	30	40	Outdoor	G1R	53				
	40	40	Indoor	L1	47				
	40	40	Indoor	L1	47				
	40	40	Outdoor	L1R	47				
	40	40	Outdoor	L1R	47				

- ① The maximum rating of the loadcenter is the main circuit breaker rating when used as service entrance equipment.
- ② 100, 125 and 200 ampere Convertible base unit catalog numbers include interior, box and cover only. Main devices and accessories must be ordered separately for field installation. All Convertible base units are listed as suitable for use as service entrance equipment when used per Article 384 of the NEC.
- ③ Ground bar kits priced separately except as noted, refer to **Page 3-64**.
- ④ For main breaker, use Type BR. For main lug use Type BRSF.
- ⑤ BREQS125 hold-down screw comes with loadcenter for back-fed Types BR and BRH main circuit breakers.
- ⑥ Convertible to maximum of 100 ampere main circuit breaker and 125 ampere main lug.
- ⑦ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.
- ⑧ For main breaker, use Type BW. For main lug use Type BRL.
- ⑨ Includes through-feed lugs for both phase and neutral conductors.
- ⑩ No hold-down provisions for back-fed Types BR and BRH main circuit breakers.
- ⑪ Includes GBK2120 ground bar.

Table 3-84. Base Units — 3-Phase 4-Wire — 208Y/120 Vac or 240 Vac Insulated/Bondable Neutral

Main Ampere Rating ^②	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main	Loadcenter Catalog Number ^{③④} (With Combination or NEMA Type 3R Cover)	Price U.S. \$
	Spaces	Circuits						
100 ^⑤	30	30	Indoor	D1	48	See main breaker and main lug kit tables next page.	3BR3030N100 ^⑥ 3BR3030N100R ^{⑥⑦}	
	30	30	Outdoor	D1R	48			
125 ^⑤	12	24	Indoor	C1	51		3BR1224N125 ^{⑥⑦⑧} 3BR1224N125R ^{⑥⑦⑧⑨}	
	12	24	Outdoor	C1R	51			

- ② The maximum rating of the loadcenter is the main circuit breaker rating when used as service entrance equipment.
- ③ 100, 125 and 200 ampere Convertible base unit catalog numbers include interior, box and cover only. Main devices and accessories must be ordered separately for field installation. All Convertible base units are listed as suitable for use as service entrance equipment when used per Article 384 of the NEC.
- ④ Ground bar kits priced separately, refer to **Page 3-64**.
- ⑤ For main breaker, use Type BR. For main lug use Type BRSF.
- ⑥ BREQS125 hold-down screw comes with loadcenter for back-fed Types BR and BRH main circuit breakers.
- ⑦ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to **Page 3-63**.
- ⑧ Convertible to maximum of 100 ampere main circuit breaker and 125 ampere main lug.
- ⑨ Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).

Box Sizes **Pages 3-77 through 3-79**
Discount Symbol **22CD**

Convertible Loadcenters — With Copper Bus 10,000/22,000/25,000 Amperes Interrupting Capacity

Table 3-85. Convertible — Single-Phase 3-Wire — 120/240 Vac — Insulated/Bondable Neutral

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main	Loadcenter Catalog Number with Combination or NEMA Type 3R Cover ①②③	Price U.S. \$	
	Spaces	Circuits							
125 10/22 kAIC ④⑤	12	24	Indoor	B2	49	See main breaker and main lug kit tables on Page 3-55.	BR1224NC125 ⑥⑦ BR1224NC125R ⑥⑦⑧ BR2024NC125 ⑥ BR2024NC125R ⑥⑧		
	12	24	Outdoor	B2R	49				
	20	24	Indoor	C2	50				
	20	24	Outdoor	C3R	50				
200 10/25 kAIC ④⑨	20	40	Indoor	D1	13		BR2040NC200 BR2040NC200R ⑥ BR3040NC200 BR3040NC200R ⑥ BR4040NC200 BR4040NC200R ⑥		
	20	40	Outdoor	D1R	13				
	30	40	Indoor	G1	53				
	30	40	Outdoor	G1R	53				
	40	40	Indoor	L1	47				
	40	40	Outdoor	L1R	47				

- ① All main circuit breaker loadcenters are listed for use as service entrance equipment and are shipped with a neutral bonding strap preattached. The maximum main rating of the loadcenter is the main breaker rating when used as service entrance equipment.
- ② Ground bar kits priced separately. See Page 3-64.
- ③ 100, 125 and 200 ampere Convertible base unit catalog numbers include interior, box and cover only. Main devices must be ordered separately from Page 3-55. Accessories must also be ordered separately for field installation. All Convertible base units are listed as suitable for use as service entrance equipment when used per Article 384 of the NEC.
- ④ Interrupting rating depends on main circuit breaker selected. See Page 3-55 for mains.
- ⑤ For main breaker, use Type BW. For main lug use Type BRL.
- ⑥ Hold-down screw BREQS125 comes with loadcenter for back-fed Types BR and BRH main circuit breakers.
- ⑦ Suitable for use as service equipment when not more than six main disconnecting means are provided and when not used as a lighting and appliance panelboard (see Article 408.34 of the NEC).
- ⑧ Rainproof loadcenters are furnished with hub closure plates. For rainproof hubs, refer to Page 3-63.
- ⑨ For main breaker, use Type BR. For main lug use Type BRSF.

Convertible Loadcenters MCB or MLO — Base Units and Main Devices

10,000/22,000/25,000 Amperes Interrupting Capacity

Complete Assembly Consists of: Loadcenter and Either Main Breaker Kit or Main Lug Kit

Note: Interrupting rating depends on main circuit breaker selected.

Table 3-86. Main Devices
2- and 3-Pole Main Circuit Breakers
120/240 Vac or 208Y/120 Vac or 240 Vac

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	10,000 AIC		22,000/25,000 AIC	
		Catalog Number	Price U.S. \$	Catalog Number ⑩	Price U.S. \$
2-Pole					
100	#4 – 1/0	BR2100		BRH2100	
110	#4 – 1/0	BR2110		BRH2110	
125	#4 – 2/0	BR2125		BRH2125	
125	#2 – 300 kcmil	BW2125		BWH2125	
150	#2 – 300 kcmil	BW2150		BWH2150	
175	#2 – 300 kcmil	BW2175		BWH2175	
200	#2 – 300 kcmil	BW2200		BWH2200	

3-Pole

100	#1	BR3100		BRH3100	
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⑩ Series combination rating with Types BD, BR, BQ, BQC and GFCB is 22,000 AIC with BRH main and 25,000 AIC with BWH main.

Table 3-87. Main Devices
2- and 3-Pole Main Lug Kits
120/240 Vac or 208Y/120 Vac or 240 Vac

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Catalog Number	Price U.S. \$
2-Pole			
125	#6 – 2/0	BRSF125	
150	#1 – 300 kcmil	BRL200	
175	#1 – 300 kcmil	BRL200	
200	#1 – 300 kcmil	BRL200	
3-Pole			
150	#6 – 3/0	3BRSF150	

Main Circuit Breaker with Accessory

Example: BW22005R01

(Put description with catalog number on order. See Page 3-76.)

Spa Panels

Table 3-88. Spa Panel

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Wiring Diagram Figure Number	Box Size	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Catalog Number	Price U.S. \$
	Space	Poles						
40	—	—	Outdoor	—	5R	#8 – #2	BR40SPA ⑪	
50	—	—	Outdoor	—	5R	#8 – #2	BR50SPA ⑫	

- ⑪ Includes a GFCB240 breaker, factory installed.
- ⑫ Includes a GFCB250 breaker, factory installed.

Box Sizes Pages 3-77 through 3-79
 Discount Symbol 22CD

Loadcenter Product Selection

Commercial Loadcenters — Indoor Enclosures

Main Circuit Breaker, Main Lug and Convertible, New York City Approved

Single-Phase and Three-Phase

Table 3-89. Single-Phase Main Circuit Breaker — Factory Installed

Main Breaker Type	Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number	Price U.S. \$	Loadcenter Cover Catalog Number		Price U.S. \$
		Spaces	Circuits							Flush	Surface	

Single-Phase 3-Wire — 120/240 Vac Insulated/Bondable Neutral

CC 10 kAIC	200	42	42	Indoor	A	56	#1 – 300 kcmil	BR4242B200NY ①		3BR42FTNY	3BR42STNY	
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① Approved for 150 ampere and up for residential services in New York City.

Table 3-90. Single-Phase Main Lugs — Factory Installed

Main Lug Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Lugs	Loadcenter Catalog Number	Price U.S. \$	Loadcenter Cover Catalog Number		Price U.S. \$
	Spaces	Circuits							Flush	Surface	

Single-Phase 3-Wire — 120/240 Vac Insulated/Bondable Neutral

225	42	42	Indoor	A	55	#1 – 300 kcmil	BR4242L225NY ②		3BR42FTNY	3BR42STNY	
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② Approved for 150 ampere and up for residential services in New York City.

Table 3-91. Three-Phase Convertible Loadcenters

Main Ampere Rating	Maximum Number 1-Inch (25.4 mm)		Enclosure Type	Box Size	Wiring Diagram Figure Number	Wire Size Range Cu/Al 60°C or 75°C for Main Breaker	Loadcenter Catalog Number	Price U.S. \$	Loadcenter Cover Catalog Number		Price U.S. \$
	Spaces	Circuits							Flush	Surface	

3-Phase 4-Wire — 120/240 Vac Insulated/Bondable Neutral

225	42	42	Indoor	B	56	#1 – 300 kcmil	3BR4242N225NY ③④		3BR42FTNY	3BR42STNY	
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③ Approved for 150 ampere and up for residential services in New York City.

④ Order main device from **Table 3-92** and **Table 3-93** below.

Table 3-92. Three-Phase Main Breaker Kits

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Main Breaker Kit 10 kAIC	Price U.S. \$
150	#4 – 4/0	CC3150N	
175	#2/0 – 300 kcmil	CC3175N	
200		CC3200N	
225		CC3225N	

Table 3-93. Three-Phase Main Lugs Kit

Ampere Rating	Wire Size Range Cu/Al 60°C or 75°C	Main Lugs Kit	Price U.S. \$
225	#2/0 – 300 kcmil	3BRL225	

Technical Data and Specifications

**Residential/Commercial/New York City Loadcenters,
Unit Enclosures — Box Sizes**

Note: Box sizes do not include covers/fronts.

Table 3-127. Residential Loadcenters — NEMA Type 1 Indoor

Box Size	Dimensions in Inches			Dimensions in mm		
	Height	Width	Depth	Height	Width	Depth
A1	15.00	11.25	3.75	381.0	285.8	95.3
B1	16.75	14.31	3.88	425.5	363.5	98.4
B2	18.75	14.31	3.88	476.3	363.5	98.4
C1	21.00	14.31	3.88	533.4	363.5	98.4
C2	23.00	14.31	3.88	584.2	363.5	98.4
C4	27.00	14.31	3.88	685.8	363.5	98.4
D1	29.13	14.31	3.88	739.8	363.5	98.4
G1	34.13	14.31	3.88	866.8	363.5	98.4
L1	39.00	14.31	3.88	990.6	363.5	98.4
L2	45.00	14.31	3.88	1143.0	363.5	98.4
2	8.63	5.00	3.50	219.1	127.0	88.9
3	9.44	4.50	3.00	239.7	114.3	76.2
4	13.00	11.00	3.56	330.2	279.4	90.5
5	9.44	4.50	3.00	239.7	114.3	76.2
6	12.00	6.88	4.50	304.8	174.6	114.3
7	13.00	11.00	3.56	330.2	279.4	90.5
9	14.50	6.50	3.50	368.3	165.1	88.9

Table 3-128. Residential Loadcenters — NEMA Type 3R Outdoor

Box Size	Dimensions in Inches			Dimensions in mm		
	Height	Width	Depth	Height	Width	Depth
B1R	16.75	14.31	5.19	425.5	363.5	131.8
B2R	18.75	14.31	5.19	476.3	363.5	131.8
C3R	25.00	14.31	5.19	635.0	363.5	131.8
D1R	29.13	14.31	5.19	739.8	363.5	131.8
G1R	34.13	14.31	5.19	866.8	363.5	131.8
L1R	39.00	14.31	5.19	990.6	363.5	131.8
L2R	45.00	14.31	5.19	1143.0	363.5	131.8
2R	8.63	5.00	3.50	219.1	127.0	88.9
3R	9.44	4.50	3.00	239.7	114.3	76.2
4R	13.00	11.00	3.56	330.2	279.4	90.5
5R	9.44	4.50	3.00	239.7	114.3	76.2
6R	11.75	6.50	4.50	298.5	165.1	114.3
7R	13.00	11.00	3.56	330.2	279.4	90.5
8R	27.00	10.50	4.75	685.8	266.7	120.7
9R	14.25	6.50	4.00	362.0	165.1	101.6
C1R	21.00	14.31	5.19	533.4	363.5	131.8

Table 3-129. Commercial Loadcenters — NEMA Type 1 Indoor

Box Size	Dimensions in Inches			Dimensions in mm		
	Height	Width	Depth	Height	Width	Depth
19	44.00	16.16	6.25	1117.6	410.4	158.8
20	44.00	16.16	6.25	1117.6	410.4	158.8
22	54.00	16.22	6.31	1371.6	412.0	160.3
24	66.50	16.22	6.31	1689.1	412.0	160.3

Table 3-130. Commercial Loadcenters — NEMA Type 3R Outdoor

Box Size	Dimensions in Inches			Dimensions in mm		
	Height	Width	Depth	Height	Width	Depth
42	38.00	16.31	6.38	965.2	414.3	161.9
43	44.00	16.31	6.38	1117.6	414.3	161.9
46	54.00	16.31	6.38	1371.6	414.3	161.9
47	66.56	16.31	6.38	1690.7	414.3	161.9

Table 3-131. New York City Loadcenters — NEMA Type 1 Indoor

Box Size	Dimensions in Inches			Dimensions in mm		
	Height	Width	Depth	Height	Width	Depth
A	38.00	18.13	5.00	965.2	460.4	127.0
B	44.00	18.13	5.00	1117.6	460.4	127.0
C	66.50	18.13	6.25	1689.1	460.4	158.8

**Table 3-132. Types ECB and ECC Unit Enclosures —
NEMA Type 1 Indoor**

Dimensions in Inches			Dimensions in mm		
Height	Width	Depth	Height	Width	Depth
23.25	8.88	4.50	590.6	225.4	114.3

**Table 3-133. Types ECB and ECC Unit Enclosures —
NEMA Type 3R Outdoor**

Dimensions in Inches			Dimensions in mm		
Height	Width	Depth	Height	Width	Depth
23.68	9.31	5.44	601.7	236.5	138.1

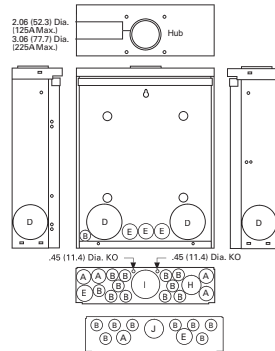
Residential Loadcenter Knockouts — Dimensions in Inches (mm)

3

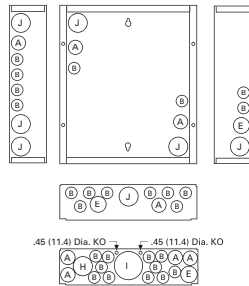
Knockouts for Box Sizes A1, B1, B2, C1, C2, C4, D1, G1, L1, L2, B1R, B2R, C1R C3R, D1R, G1R, L1R, L2R

Code	Diameter in Inches					Diameter in mm				
A	.50	.75	—	—	—	12.7	19.1	—	—	—
B	.50	—	—	—	—	12.7	19.1	—	—	—
C	.50	1.25	1.50	2.00	2.50	12.7	31.8	38.1	50.8	63.5
D	1.25	1.25	2.00	2.50	—	31.8	38.1	50.8	63.5	—
E	.50	.75	1.00	—	—	12.7	19.1	25.4	—	—
F	.50	.75	1.00	1.50	2.00	12.7	19.1	25.4	38.1	50.8
G	1.25	1.50	2.00	—	—	31.8	38.1	50.8	—	—
H	.50	.75	1.00	1.25	1.50	12.7	19.1	25.4	31.8	38.1
I	1.00	1.25	1.50	2.00	2.50	25.4	31.8	38.1	50.8	63.5
J	1.00	1.25	1.50	—	—	25.4	31.8	38.1	—	—

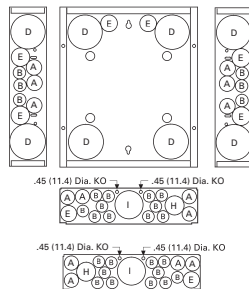
Outdoor Boxes
B1R, B2R, C1R
C3R, D1R, G1R,
L1R, L2R



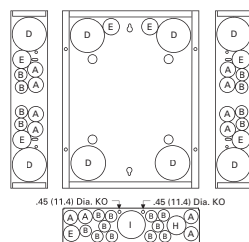
Indoor Boxes
A1



Indoor Boxes
B1, B2



Indoor Boxes
C1, C2, C4, D1,
G1, L1, L2



Knockouts for Box Sizes 3, 4, 5, 6, 7, 9, 2R, 3R, 4R, 5R, 6R, 7R, 8R, 9R

Code	Diameter in Inches					Diameter in mm				
A	.50	—	—	—	—	12.7	—	—	—	—
B	.50	.75	—	—	—	12.7	19.1	—	—	—
C	.50	.75	1.00	—	—	12.7	19.1	25.4	—	—
D	.50	.75	1.00	1.25	1.25	12.7	19.1	25.4	31.8	—
E	.75	1.00	1.25	—	—	19.1	25.4	31.8	—	—
F	.75	1.00	1.25	1.50	1.50	19.1	25.4	31.8	38.1	—
G	1.00	1.25	1.50	—	—	25.4	31.8	38.1	—	—
H	1.00	1.25	1.50	2.00	2.00	25.4	31.8	38.1	50.8	—
I	1.25	1.50	2.00	—	—	31.8	38.1	50.8	—	—

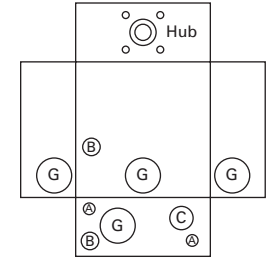
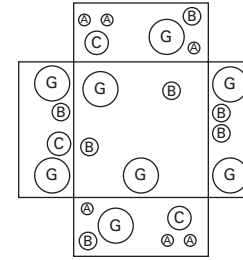
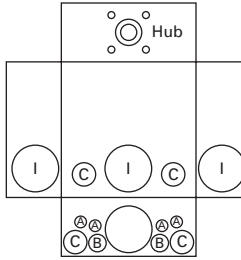
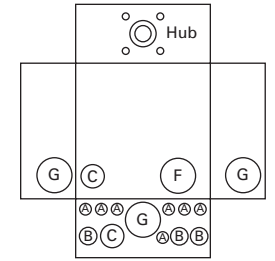
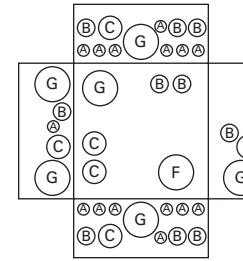
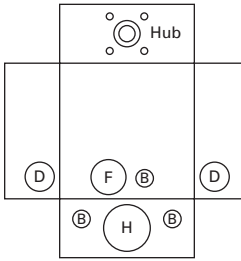
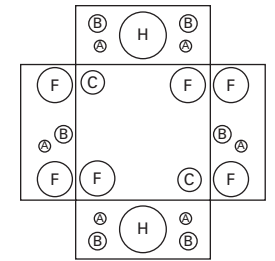
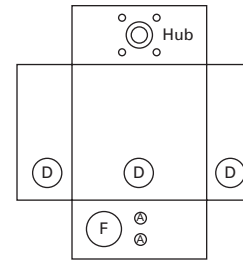
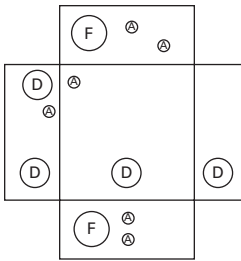
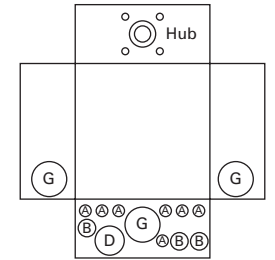
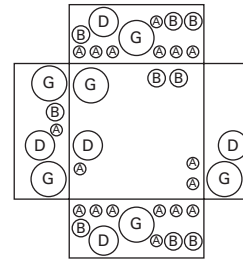
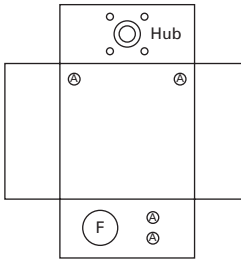
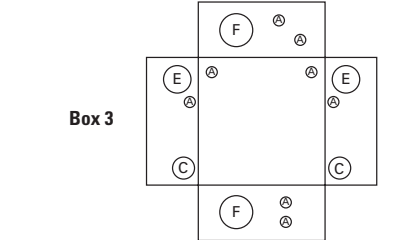
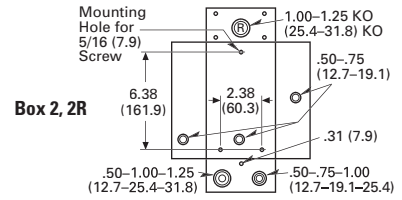


Figure 3-27. Residential NEMA Type 1 Indoor and NEMA Type 3R Outdoor Enclosures

Commercial Loadcenter Knockouts

Table 3-134. NEMA Type 1 Indoor Commercial Enclosures Knockouts for Box Sizes 19, 20, 22, 24

Code	Diameter in Inches				Diameter in mm			
A	.50	—	—	—	12.7	—	—	—
B	.50	.75	—	—	12.7	19.1	—	—
C	.75	1.00	1.50	—	19.1	25.4	38.1	—
D	1.50	2.00	2.50	3.00	38.1	50.8	63.5	76.2
E	2.00	2.50	3.00	—	50.8	63.5	76.2	—
F	2.50	3.00	3.50	—	63.5	76.2	88.9	—

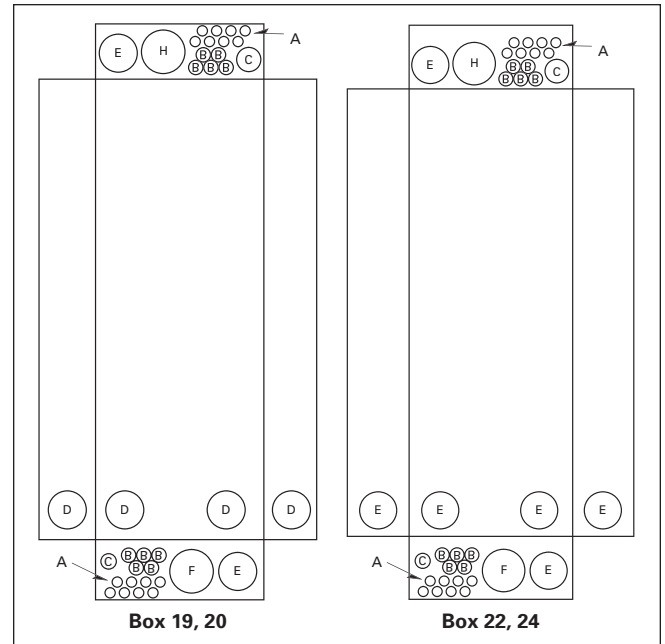


Figure 3-28. Indoor Commercial Enclosures

Table 3-135. NEMA Type 3R Outdoor Commercial Enclosures Knockouts for Box Sizes 42, 43, 46, 47

Code	Diameter in Inches				Diameter in mm			
A	.50	—	—	—	12.7	—	—	—
B	.50	.75	—	—	12.7	19.1	—	—
C	.75	1.00	1.25	—	19.1	25.4	31.8	—
D	1.50	2.00	2.50	—	38.1	50.8	63.5	—
E	2.00	2.50	3.00	—	50.8	63.5	76.2	—
F	2.50	3.00	3.50	—	63.5	76.2	88.9	—
G	1.25	1.50	2.00	2.50	31.8	38.1	50.8	63.5
H	3.25 Sq.	—	—	—	82.6 Sq.	—	—	—

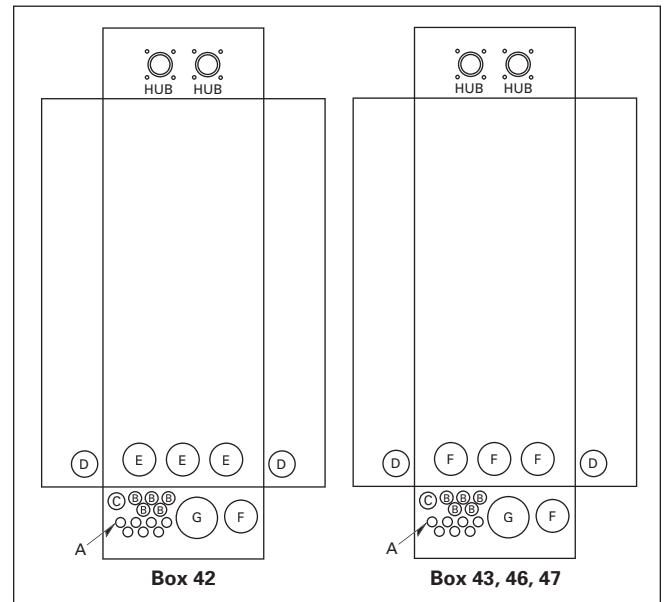


Figure 3-29. Outdoor Commercial Enclosures

Table 3-136. Unit Enclosure Knockouts, Types ECB and ECC Knockouts

Code	Diameter in Inches				Diameter in mm			
A	.50	—	—	—	12.7	—	—	—
B	1.25	1.50	1.75	2.00	31.8	38.1	44.5	50.8

NEMA Type 1 Indoor (Flush and Surface Trims)

Code	Diameter in Inches				Diameter in mm			
A	.50	—	—	—	12.7	—	—	—
B	1.25	1.50	1.75	2.00	31.8	38.1	44.5	50.8

NEMA Type 3R Outdoor

Code	Diameter in Inches				Diameter in mm			
A	.50	—	—	—	12.7	—	—	—
B	1.25	1.50	1.75	2.00	31.8	38.1	44.5	50.8

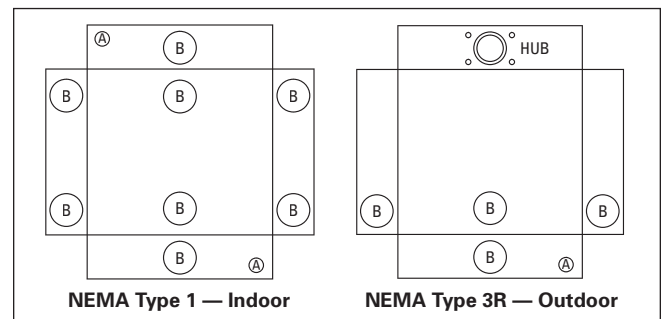


Figure 3-30. Unit Enclosure Knockouts