



# Revised P1 Unassembled Panelboard Components

240V Main Breaker Kits <sup>1</sup>				
Group	Ampere Rating	Part #	AIC@ 240V	Description
A	125	MBKQR1125A	10K	Kit with 2 Pole QR2 125A Breaker
		MBKQR1125HA	65K	Kit with 2 Pole HQR2 125A Breaker
		MBKQR1150A	10K	Kit with 2 Pole QR2 150A Breaker
		MBKQR1150HA	65K	Kit with 2 Pole HQR2150A Breaker
	150	MBKQR1175A	10K	Kit with 2 Pole QR2 175A Breaker
		MBKQR1175HA	65K	Kit with 2 Pole HQR2 175A Breaker
		MBKQR1200A	10K	Kit with 2 Pole QR2 200A Breaker
		MBKQR1200HA	65K	Kit with 2 Pole HQR2 200A Breaker
	200	MBKQR1225A	10K	Kit with 2 Pole QR2 225A Breaker
		MBKQR1225HA	65K	Kit with 2 Pole HQR2 225A Breaker
		MBKVAM1300A	85K	Kit with 2 Pole 3VA53 300A Breaker
		MBKVAM1400A	85K	Kit with 2 Pole 3VA53 400A Breaker
B	300	MBKQR3125A	10K	Kit with 3 Pole QR2 125A Breaker
	400	MBKQR3125HA	65K	Kit with 3 Pole HQR2 125A Breaker
C	150	MBKVAM3150A	85K	Kit with 3 Pole 3VA52 150A Breaker, MFAS
	200	MBKVAM3200A	85K	Kit with 3 Pole 3VA52 200A Breaker, MFAS
		MBKVAH3200A	100K	Kit with 3 Pole 3VA52 225A Breaker, HFAS
	225	MBKVAM3225A	85K	Kit with 3 Pole 3VA52 225A Breaker, MFAS
250	MBKVAM3250A	85K	Kit with 3 Pole 3VA52 250A Breaker, MFAS	
	MBKVAH3250A	100	Kit with 3 Pole 3VA52 250A Breaker, HFAS	
D	300	MBKVAM3300A	85K	Kit with 3 Pole 3VA53 300A Breaker
	400	MBKVAM3400A	85K	Kit with 3 Pole 3VA53 400A Breaker

Neutral Lug Kits	Part #	Number of Circuits	Description
250A/400A Copper	CNLK42B	18, 30, 42	2 or 4 Branch Neutral Strips, 1 Main Neutral Lug, Hardware
	CNLK54B	54	
(new) 250A/400A 2/0 Neutral Kits	LNLK4X11B	18, 30	2 or 4 Branch Neutral Strips, 1 Main Neutral Lug, Hardware
	LNLK6X17B	42	
	LNLK7X20B	54	
250A 200% Neutral	2NLK42B	18, 30, 42	2 or 4 Branch Neutral Strips, 1 Main Neutral Lug, Hardware
	2NLK54B	54	
400A 200% Neutral	42NLK54B	30, 42, 54	2 or 4 Branch Neutral Strips, 1 Main 600MCM Neutral Lug, Hardware

1) If used as sub-feed breaker, max allowable is 250A.

#### General Notes: For Revised P1 only

A) Any backfed main in unit space must use Main Label Kit # MBKBFA to identify Main.  
 B) The Revised P1 (18 circuit 250A only) is limited to 100A per connection (200A per pair) when installing BL/BQD or xGB Branch Breakers across from one another. 3VA41 does not have this restriction. All other configurations allow 125A per connection max. (250A per pair max.)

480V Main Breaker Kits <sup>1</sup>				
Group	Ampere Rating	Part #	AIC@ 240V	Description
E	150	MBKVAM3150A	35K	Kit with 3 Pole 3VA52 150A Breaker, MFAS
		MBKVAM3200A	35K	Kit with 3 Pole 3VA52 200A Breaker, MFAS
	200	MBKVAH3200A	65K	Kit with 3 Pole 3VA52 225A Breaker, HFAS
		MBKVAM3225A	35K	Kit with 3 Pole 3VA52 225A Breaker, MFAS
	250	MBKVAM3250A	35K	Kit with 3 Pole 3VA52 250A Breaker, MFAS
		MBKVAH3250A	65K	Kit with 3 Pole 3VA52 250A Breaker, HFAS
F	300	MBKVAM3300A	35K	Kit with 3 Pole 3VA53 300A Breaker
	400	MBKVAM3400A	35K	Kit with 3 Pole 3VA53 400A Breaker

#### Sample:

Contractor needs a NEMA 1 Surface-Mounted 120/208V 3 Phase, 4 Wire Panel with 200A Main Breaker, service entrance-rated 20 x 20A 1 Pole Feeder Breakers, and 2 x 40A 2 Pole Breakers. Smallest interior possible is OK, Main Copper Bus is preferred, and available Fault Current is 10K:

#### Qty Part Number

- 1 P1X30MC250CT
- 1 B38
- 1 S38B
- 1 MBKQR3200A
- 20 B120
- 2 B240
- 6 DFFP1A
- 1 EGK
- 1 SEBKRP1V1

- 1) Since system voltage is 120/208 3Ph4W go to 2nd table. 200A is <=250A, so start with 250A row. Total number of circuits needed is 24 (20 + 2x2) and no additional space requested, so select 30 circuit. Copper is preferred so we don't need to change Interior in table... **P1X30MC250CT.**
- 2) Follow same row over to select N1 Box and Surface Mount Front... **B38 + S38B.**
- 3) Main Breaker Kit comes from Group C. MBKQR3200A is lowest AIC that meets customer need of 10KAIC.
- 4) Like the main breaker, select Feeder Breakers that meet customer need. BL is enough to meet 10K AIC so we need **20 x B120** breakers and **2 x B240** breakers.
- 5) Don't forget to fill the remaining unused spaces with filler plates: 30 circuit panel – 24 circuits used = **6 x DFFP1A** filler plates.
- 6) Even though a copper panel was requested and selected, the standard Aluminum EGK Ground bar is OK. It will accept both Al and Copper Conductors. If a "Copper Only" Ground was requested then we provide one ECGK.
- 7) Add Service Entrance Barrier Kit if this Panel is to be rated for Service Entrance.