

The Eaton logo, consisting of the word "EATON" in a bold, sans-serif font with a vertical line separating it from the "Cutler-Hammer" text.The Cutler-Hammer logo, consisting of the words "Cutler-Hammer" in a bold, sans-serif font.

## All-Copper Mini-Power Center

Product Focus

Three Individual Components Combined Into a Single Unit to Save Space and Installation Costs



while at the same time be cost-effective. Eaton provides a solution that meets both of these requirements with the Mini-Power Center.

The Mini-Power Center combines three individual components into a single NEMA® Type 3R enclosure; a primary main breaker, an encapsulated transformer, and a secondary main breaker type distribution loadcenter. All interconnecting wiring is completed at the factory.

The all-copper Mini-Power Center features a copper-wound transformer along with a copper loadcenter chassis that accepts Eaton's Type BAB family of bolt-on feeder breakers.

### Applications

Mini-Power Centers are used wherever there is a 480 or 600 volt distribution system and there are loads requiring 120/240 V single-phase or 208Y/120 V three-phase.

Typical installations include:

- Industrial plant assembly lines.
- Plant expansions.
- Test equipment.
- Temporary power on construction sites.
- Waste water treatment facilities.
- Warehouses.
- Car washes.
- Parking lots.
- Commercial buildings.
- Golf course irrigation systems.

### Introduction

Eaton's all-copper Mini-Power Center incorporates all of the features and benefits included in the industry-proven aluminum model, plus the additional features of a copper-wound transformer with a copper loadcenter chassis that accepts bolt-on feeder breakers.

Today's electrical distribution systems are required to do more in less space,

### Easy to Install

- A variety of concentric knockouts on the sides and bottom.
- Wiring compartment includes ample space for conduit entry.
- Maximum wiring gutter space is provided for ease of wiring, in compliance with NEC® requirements.
- Simplified design includes two keyholes for easy mounting and leveling.

### All-Copper Mini-Power Center Components

#### Circuit Breakers

- Primary and secondary main breakers are Eaton Type EHD or FDB.
- Feeder circuits can easily be added using Eaton's family of Type BAB breakers (10 kAIC). Feeder breakers not included.

#### Safety

- All live parts are enclosed for personnel safety and equipment protection.
- Padlockable hinged cover prevents removal of feeder breakers.
- Grounding terminal provided on the enclosure.
- Designed to accept padlock kit PLK1 to lock primary main breaker ON/OFF.

### Loadcenter

- Space for up to 30 feeder breakers.
- Premium copper chassis for Type BAB bolt-on breakers.
- Ground bar is provided as standard for grounding of individual secondary circuits.
- Neutral bar grounded to enclosure.

### Enclosures

- Standard NEMA Type 3R indoor/outdoor heavy gauge steel enclosure with a rugged baked-polymer powder coating.
- Optional NEMA Type 3R grade 316 stainless steel.

### Transformer

- Electrical grade copper windings.
- 185°C insulation system.
- 115°C winding temperature rise.
- Sand and resin encapsulated core-coil assembly.
- Cores are grounded with a copper lead.

### Standards

- UL® listed and CSA® certified.
- UL listed as suitable for service entrance.
- Meets all applicable ANSI, NEMA, IEEE and UL standards.

## Compare the Installation Cost Savings — 31 Percent Less

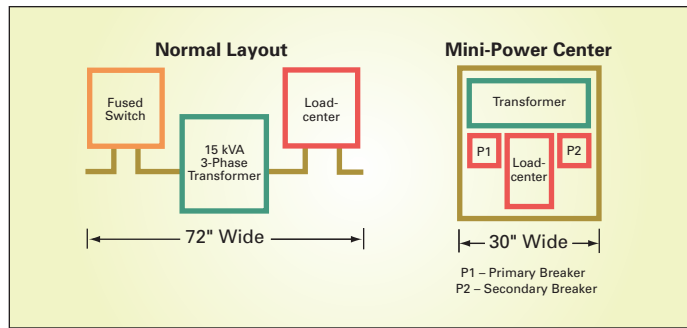
Because we knew that putting three components in one enclosure dramatically cuts installation time, we asked an electrical contractor to estimate the job two ways:

- Using a separate breaker, transformer and loadcenter, including the connecting cable and hardware.
- Using a Mini-Power Center.

### HERE ARE THE ESTIMATES:

Installation	15 kVA		25 kVA	
	Three-Component System	Mini-Power Center	Three-Component System	Mini-Power Center
	<b>Hours</b> <sup>1</sup>			
Switch and Fuse Layout	4	0	4	0
Switch and Fuse Mount	1	0	1	0
Transformer Layout, Remove Knockout, etc.	16	16	24	24
Transformer Fastened to Wall	4	0	4	0
Loadcenter Layout, Mount and Connect Source	4	4	6	4
<b>Total Hours</b>	<b>29</b>	<b>20</b>	<b>39</b>	<b>28</b>
<b>% Time Saved with Cutler-Hammer® Mini-Power Center</b>	<b>31% Savings</b>		<b>28% Savings</b>	

<sup>1</sup> Time estimates are typical and will vary by geographical area.



### Compare the Space Savings...30 Inches Instead of 72 Inches! Specify the Mini-Power Center

Take advantage of the Mini-Power Center's space and cost savings! Have your architects, design engineers, and buyers insert the Cutler-Hammer Mini-Power Center with the catalog number in the specification.

### CATALOG NUMBER INFORMATION

#### All-Copper Mini-Power Center (Uses Type BAB Feeder Breakers)

kVA	Style Number	Full Capacity Taps FCBN	Dimensions <sup>1</sup> – Inches (mm)			Weight Lbs. (kg)	Frame	Main Circuit Breaker <sup>2</sup>		Feeder Breakers <sup>3, 4</sup> Max. Number			Max. Amp
			Height	Width	Depth			Primary	Secondary	1-Pole	2-Pole	3-Pole	
<b>Single-Phase</b>													
<b>480 Volts to 120/240 Volts</b>													
3	P48G11S03CUB	2 @-5%	33.25 (844.6)	12.56 (319.0)	9.66 (245.4)	105 (47)	306	EHD2015	BAB2015	12	6	4	12
5	P48G11S05CUB	2 @-5%	36.14 (918.0)	12.56 (319.0)	9.66 (245.4)	110 (50)	307	EHD2020	BAB2025	18	9	6	20
7.5	P48G11S07CUB	2 @-5%	36.14 (918.0)	12.56 (319.0)	9.66 (245.4)	110 (50)	307	EHD2030	BAB2030	18	9	6	30
10	P48G11S10CUB	2 @-5%	40.85 (1037.6)	13.47 (342.1)	11.82 (300.2)	180 (82)	308	EHD2040	BAB2050	18	9	6	40
15	P48G11S15CUB	2 @-5%	43.91 (1115.3)	14.97 (380.2)	11.82 (300.2)	215 (98)	309	EHD2060	BAB2070	24	12	8	60
25	P48G11S25CUB	2 @-5%	43.37 (1101.6)	20.41 (518.4)	14.58 (370.3)	385 (175)	310	EHD2100	BAB2125	30	15	10	100
<b>600 Volts to 120/240 Volts</b>													
3	P60G11S03CUB	2 @-5%	33.25 (844.6)	12.56 (319.0)	9.66 (245.4)	105 (47)	306	FDB2015	BAB2015	12	6	4	12
5	P60G11S05CUB	2 @-5%	36.14 (918.0)	12.56 (319.0)	9.66 (245.4)	110 (50)	307	FDB2020	BAB2025	18	9	6	20
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15	P60G11S15CUB	2 @-5%	43.91 (1115.3)	14.97 (380.2)	11.82 (300.2)	215 (98)	309	FDB2060	BAB2070	24	12	8	60
25	P60G11S25CUB	2 @-5%	43.37 (1101.6)	20.41 (518.4)	14.58 (370.3)	373 (169)	310	FDB2100	BAB2125	30	15	10	100
<b>Three-Phase</b>													
<b>480 Volts to 208Y/120 Volts</b>													
15	P48G28T15CUB	2 @-5%	36.12 (917.4)	28.75 (730.3)	9.38 (238.3)	320 (145)	289A	EHD3040	BAB3050H	18	9	6	40
22.5	P48G28T21CUB	2 @-5%	40.88 (1038.4)	29.88 (759.0)	13.63 (346.2)	565 (257)	290A	EHD3070	BAB3070H	18	9	6	60
30	P48G28T30CUB	2 @-5%	41.88 (1063.8)	29.88 (759.0)	13.63 (346.2)	635 (288)	291A	EHD3090	BAB3100H	24	12	8	80
<b>600 Volts to 208Y/120 Volts</b>													
15	P60G28T15CUB	2 @-5%	36.12 (917.4)	28.75 (730.3)	9.38 (238.3)	320 (145)	289A	FDB3030	BAB3050H	18	9	6	40
22.5	P60G28T21CUB	2 @-5%	40.88 (1038.4)	29.88 (759.0)	13.63 (346.2)	565 (257)	290A	FDB3050	BAB3070H	18	9	6	60
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<sup>1</sup> Not for construction purposes.

<sup>2</sup> Main breakers fixed only. No substitutes.

<sup>3</sup> Combinations can be selected.

<sup>4</sup> Feeder breakers not included. Use Cutler-Hammer Type BAB.

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