

EATON

Cutler-Hammer

Power Factor Correction Capacitor Banks

Product Focus

Power Factor and
Harmonic Solutions

Eaton's Cutler-Hammer business offers a wide range of reliable Power Factor Correction Capacitor Banks. These products correct poor power factor, reduce or eliminate penalties charged by the utility, increase load capacity, and regulate voltage. Cutler-Hammer Power Factor Correction Capacitor Banks are available in a wide array of applications, from 208V AC – 115 kV and kvar ratings of 1 – 15,000.

The Cutler-Hammer business can custom design the most appropriate solution to help you safely reduce energy consumption and diminish or eliminate power factor penalties. In most cases, the payback is less than two years...many times, it is less than six months.



*Floor-Mounted
Switched Capacitor Bank*

Product Highlights

- Reduces or eliminates expensive penalties levied by the utility based on a low power factor.
- Increases available transformer and cable capacity.
- Improves voltage stabilization in long runs of cable.
- Reduces power losses in cables and transformers.

Fixed Power Factor Correction Capacitor Banks

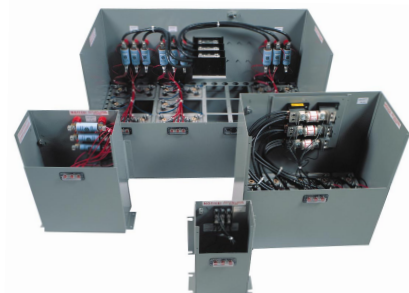
Cutler-Hammer Fixed Capacitor Banks feature multiple dry capacitor cells assembled in a single enclosure. These capacitors consist of a self-healing metallized polypropylene fill, as well as discharge resistors for safety. These products are designed for applications that do not contain harmonic generating loads.

- UL® listed/CSA® listed.
- Rated for indoor or outdoor service.
- NEMA® 1, 12 and 3R.
- Fuses and blown fuse indication is standard.
- Standard ratings available 1 – 400 kvar, up to 600V AC; other ratings available.
- Discharge resistors.
- Pressure sensitive interrupter.
- Medium voltage ratings through 115 kV also available upon request.
- 5-year warranty on capacitor cells.

Floor-Mounted Switched Power Factor Correction Capacitor Banks

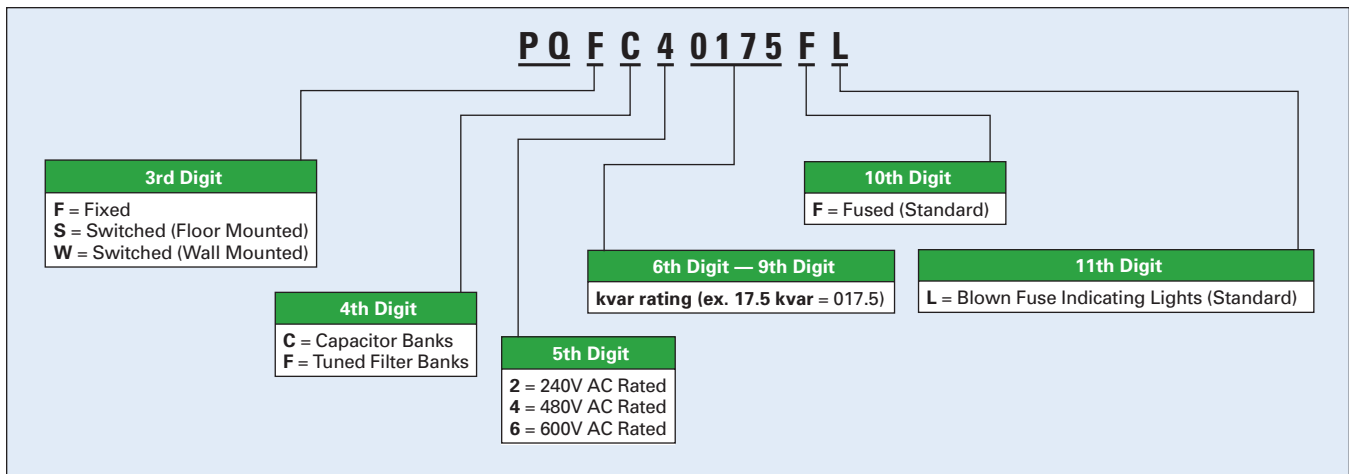
Switched Power Factor Correction Capacitor Banks are designed to adapt to changing load conditions. The solid-state controller adds or subtracts capacitance from the system to maintain a consistent level of desired power factor in the facility. These products are designed for applications that do not contain harmonic generating loads.

- Digital display of power factor level and number of stages operating.
- UL listed/CSA listed.
- Fuses and blown fuse indication is standard.
- Low voltage ratings available 25 – 840 kvar, up to 600V AC.
- NEMA 1, 12 standard.
- Medium voltage ratings through 115 kV also available.
- Aggressive lead times.
- 5-year warranty on capacitor cells.



*Fixed Capacitor Banks
with Tops Removed*

Low Voltage Product Selection



Wall-Mounted Switched Capacitor Banks

Cutler-Hammer wall-mounted switched capacitor banks pack up to 300 kvar into a very small footprint. Save valuable floor space and correct power factor at the same time!

- Compact design.
- Up to 300 kvar.
- Up to 600V AC.
- Small footprint.
- Automatically adjusts capacitor to match changing load conditions.
- Digital display of PF and number of stages operating.
- UL/CSA listed.
- NEMA 1, 12 standard.
- 5-year warranty on capacitor cells.



*Wall-Mounted
Switched Capacitor Bank*

Eaton Corporation
 Cutler-Hammer business unit
 1000 Cherrington Parkway
 Moon Township, PA 15108
 United States
 tel: 1-800-525-2000
 www.cutler-hammer.eaton.com

Catalog Numbers

Low voltage power factor correction capacitor catalog numbers are determined as specified above.

Note: Medium voltage units can be ordered by description through the factory.

Options Available for all Models

- Cutler-Hammer molded case circuit breakers.
- IQ metering.
- Remote alarm relay.
- Split-core current transformer.
- Hands-Off-Auto switch.
- NEMA 3R.
- Harmonically hardened capacitor cells.

Other Power Quality Products

- Passive harmonic filters (low and medium voltage).
- Active harmonic filters.
- 3rd harmonic blocking filters.
- Surge protection.
- Phase shifting transformers.
- K-Factor transformers.
- Rotary UPS.

Cutler-Hammer Power Quality Hotline

Having trouble understanding a problem related to power quality, reliability or energy management? Confused about what technology to apply to improve facility uptime or cut energy costs? Call our Power Quality Hotline at 1-800-809-2772 (option 1, sub-option 2) to talk to power quality experts, or e-mail us at PQHotline@eaton.com.

Total Solutions for Maximizing Uptime

Eaton's Cutler-Hammer Engineering Services and Systems (CHESS) provides a full range of on-site services including: Installation, Start-Up/Commissioning, Preventive and Predictive Maintenance, Systems Integration, Power Systems Studies, Turnkey Solutions and Equipment Life Extension. And, by choosing our Start-Up/Commissioning services on your Cutler-Hammer product, you will receive a one-year extension to the factory warranty.

UL is a federally registered trademark of Underwriters Laboratories Inc. NEMA is the registered trademark and service mark of the National Electrical Manufacturers Association. CSA is a registered trademark of the Canadian Standards Association.