

# Medium voltage standard-duty, heavy-duty, and extreme-duty single-phase, unfused capacitor units and accessories



## General

Eaton's all-film, unfused capacitors, a Cooper Power™ series product, feature extended-foil elements, solderless connections, and laser-cut aluminum foil (folded foil optional) in a high stacking factor design. Designed, manufactured, and tested to meet or exceed the requirements of IEEE Std C18™-2002 standard (Heavy-Duty and Extreme-Duty capacitors tested to IEEE Std C18™-2012 standard), these capacitors are a simple, economical, and reliable source of reactive power on outdoor or indoor electric power systems for:

- Improved power factor
- System capacity release
- Reduced losses
- Improved power flow capability
- Voltage support
- Harmonic filtering
- Surge suppression

Power capacitors can be installed singly or in factory-assembled switched or unswitched banks in:

- Pole-Mounted racks
- Substation banks
- Metal enclosures
- Mobile Capacitor Banks

Designs meeting the requirements of International Electrotechnical Commission (IEC), Canadian Standards Association (CSA), Brazilian Association of Technical Standards (ABNT), and other national and international standards are available.

Eaton's all-film, extended foil/solderless capacitors with a high stacking factor provide:

- Low dielectric losses (0.05 watt/kvar)
- Personnel safety through a superior definite tank-rupture characteristic
- Low capacitance change with respect to temperature
- Tank rupture curves defined through 10 kA for standard- and heavy-duty and 15 kA for extreme-duty
- Superior electrical performance and reliability
- Proprietary Edisol® VI dielectric fluid that provides the best balance between low and high ambient temperature operation

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### Standard-duty (SD Type) capacitors

Capacitors are intended to be operated at or below their rated voltage. All capacitors are designed with a continuous overvoltage capability of 110% of rated voltage and meet IEEE Std 18™-2002 standard. This overvoltage capability is to allow the capacitor to withstand bank and system contingencies such as bank unbalance and system voltages higher than the rated maximum continuous operating voltage.

Standard-duty capacitors are designed for typical utility transmission and distribution applications.

#### Standard-duty ratings

- 110% continuous rms overvoltage capability
- 10 kA fault handling capability
- Standard temperature rating -40 to +55 °C (-50 °C available, consult factory)

Table 2 lists the ratings and catalog numbers for the Standard-Duty single- and double-bushing capacitors. Other unit kvar, voltage, frequency, and BIL ratings are available.

### Heavy-duty (HD Type) capacitors

Heavy-duty designs meet or exceed IEEE Std C18™-2012 standards. Heavy-duty capacitors are designed for applications where higher reliability is desired (Ex: Transmission Capacitor Banks). The heavy-duty capacitor is more resistant to the effects of higher transients, harmonics, and voltage excursions than the standard-duty capacitor.

#### Heavy-duty ratings

- 125% continuous rms overvoltage capability
- 135% peak overvoltage capability
- Tank rupture curve defined through 10 kA
- Standard temperature rating -40 to +55 °C (-50 °C available, consult factory)
- Meets Performance Test requirements of IEEE Std C18™-2012 standard

Table 3 lists the ratings and catalog numbers for the heavy-duty single- and double-bushing capacitors. Other unit kvar, voltage, frequency, and BIL ratings are available.

### Extreme-duty (XD Type) capacitors

Extreme-duty capacitors are designed to exceed the IEEE Std C18™-2012 standard. These capacitors are designed for the most extreme harmonic environments, and are the perfect choice for application on systems with unknown contingencies (Ex: Industrial applications).

#### Extreme-duty ratings

- 125% continuous rms overvoltage capability
- 135% peak overvoltage capability
- Tank rupture curve defined through 15 kA
- -50 to +55 °C temperature design standard
- Proprietary routine testing designed to increase reliability

Table 4 lists the ratings and catalog numbers for the extreme-duty single- and double-bushing capacitors. Other unit kvar, voltage, frequency, and BIL ratings are available.

### Construction features

Construction features of Eaton's power capacitors include:

- Stainless-steel tank with light-gray finish for resistance to severely corrosive atmospheres
- Light-gray, porcelain bushings; glazed for high strength and durability and hermetically sealed to the capacitor tank
- Stainless-steel mounting brackets with industry-standard 15.62-in. mounting center for unit interchangeability; under-side of each bracket is unpainted for positive grounding
- Parallel-groove terminals accommodate copper or aluminum conductors from No. 8 solid to No. 1 stranded
- Parallel-groove connectors are supplied on all capacitors sold as individual units. The parallel groove connector should be removed and discarded on capacitors used as replacements in substation bank applications on which a leader ejection spring and associated hardware are used with an expulsion fuse. See Service Information MN230005EN Expulsion Fuse Installation Instructions for detailed information.
- Internal discharge resistors that reduce terminal voltage to 50 volts or less within five minutes after the capacitor has been disconnected. Other discharge criteria are available.
- Stainless-steel nameplate includes all required information per the applicable standard. In addition and for ease of maintenance, both the nominal capacitance and the measured capacitance are included on each nameplate.
- Blue non-PCB decal

### Additional references

Refer to the following reference literature for application recommendations.

**MN230002EN**, Medium-Voltage, Single-Phase Capacitor Installation and Maintenance Instructions

**R230-91-1**, Tank Rupture Curves for SD & HD Type Capacitors

**R230-91-2**, Tank Rupture Curves for XD Type Capacitors

**CA230001EN**, Pole-Mounted Racks with Single-Phase Capacitors

**Table 1. Bushing Characteristics and Weights**

BIL (kV)	Creepage Distance (in.)	Strike Distance (in.)	60-Hz Withstand	
			60-Sec. Dry (kV)	10-Sec. Wet (kV)
95*	12.00	6.25	35	30
150**	22.00	9.50	60	50
200	32.00	14.00	80	75

\* Bushings furnished on standard capacitors shown in Tables 2, 3, and 4. The bushings used in 95 kV BIL rated capacitors are also capable of meeting 110 kV BIL and are used in 110 kV BIL rated capacitors.

\*\* The bushings used in 150 kV BIL rated capacitors are also used in 125 kV BIL rated capacitor designs.

**Table 2. Ratings and Catalog Numbers for 60 Hz Standard-Duty Single- and Double-Bushing Capacitors**

Ratings		50 kvar Capacitors		100 kvar Capacitors		150 kvar Capacitors		200 kvar Capacitors	
Voltage (V)	BIL (kV)	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing
2400	95	N/A	N/A	CEP131A1	CEP131B1	CEP132A1	CEP132B1	CEP140A1	CEP140B1
2770*	95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4160	95	N/A	N/A	CEP131A3	CEP131B3	CEP132A3	CEP132B3	CEP140A3	CEP140B3
4800	95	N/A	N/A	CEP131A4	CEP131B4	CEP132A4	CEP132B4	CEP140A4	CEP140B4
6640	95	N/A	N/A	CEP131A5	CEP131B5	CEP132A5	CEP132B5	CEP140A5	CEP140B5
7200	95	N/A	N/A	CEP131A6	CEP131B6	CEP132A6	CEP132B6	CEP140A6	CEP140B6
7620	95	N/A	N/A	CEP131A7	CEP131B7	CEP132A7	CEP132B7	CEP140A7	CEP140B7
7960	95	N/A	N/A	CEP131A8	CEP131B8	CEP132A8	CEP132B8	CEP140A8	CEP140B8
8320	95	N/A	N/A	CEP126M4	CEP125M3	CEP128M6	CEP127M15	CEP130M13	CEP129M1
9540	95	N/A	N/A	CEP126M24	CEP125M4	CEP128M21	CEP127M21	CEP130M30	CEP129M31
9960	95	N/A	N/A	CEP131A9	CEP131B9	CEP132A9	CEP132B9	CEP140A9	CEP140B9
11400	95	N/A	N/A	CEP126M25	CEP125M19	CEP128M13	CEP127M22	CEP130M31	CEP129M19
	125	N/A	N/A	CEP126M55	–	CEP128M34	CEP127M27	CEP130M32	CEP129M88
	150	N/A	N/A	–	CEP125M23	–	CEP127M46	–	CEP129M20
12470	95	N/A	N/A	CEP131A10	CEP131B10	CEP132A10	CEP132B10	CEP140A10	CEP140B10
	125	N/A	N/A	CEP126M3	–	CEP128M11	–	CEP130M9	–
	150	N/A	N/A	–	CEP130B6	–	CEP139B6	–	CEP143B6
13280	95	N/A	N/A	CEP131A11	CEP131B11	CEP132A11	CEP132B11	CEP140A11	CEP140B11
	125	N/A	N/A	CEP126M9	–	CEP128M9	CEP127M32	CEP130M7	–
	150	N/A	N/A	–	CEP130B7	–	CEP139B7	–	CEP143B7
13800	95	N/A	N/A	CEP131A12	CEP131B12	CEP132A12	CEP132B12	CEP140A12	CEP140B12
	125	N/A	N/A	CEP126M20	CEP125M14	CEP128M14	–	CEP130M2	–
	150	N/A	N/A	–	CEP130B8	–	CEP139B8	–	CEP143B8
14400	95	N/A	N/A	CEP131A13	CEP131B13	CEP132A13	CEP132B13	CEP140A13	CEP140B13
	125	N/A	N/A	CEP126M1	–	CEP128M5	CEP127M30	CEP130M1	–
	150	N/A	N/A	–	CEP130B9	–	CEP139B9	–	CEP143B9
15125	150	N/A	N/A	–	CEP125M1	–	CEP127M23	–	CEP129M12
19920	150	N/A	N/A	–	CEP134B4	–	CEP133B4	–	CEP145B4
20800	150	N/A	N/A	–	CEP125M20	–	CEP127M28	–	CEP129M38
21600	150	N/A	N/A	–	CEP134B5	–	CEP133B5	–	CEP145B5
22130	150	N/A	N/A	–	CEP125M31	–	CEP127M29	–	CEP129M23
22800	150	N/A	N/A	–	CEP125M30	–	CEP127M42	–	CEP129M10

(N/A) Not available in the standard-duty (SD) design. Refer to the extreme-duty capacitors in Table 4.

(–) Catalog number has not yet been assigned.

**Table 2. Ratings and Catalog Numbers for 60 Hz Standard-Duty Single- and Double-Bushing Capacitors (continued)**

Ratings		300 kvar Capacitors		400 kvar Capacitors		500 kvar Capacitors		600 kvar Capacitors	
Voltage (V)	BIL (kV)	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing
2400	95	–	–	–	–	–	–	–	–
2770	95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4160	95	–	–	–	–	–	–	–	–
4800	95	CEP132M34	–	–	–	–	–	–	–
6640	95	CEP160A5	CEP160B5	CEP170A5	CEP170B5	CEP180A5	CEP180B5	CEP190A5	CEP190B5
7200	95	CEP160A6	CEP160B6	CEP170A6	CEP170B6	CEP180A6	CEP180B6	CEP190A6	CEP190B6
7620	95	CEP160A7	CEP160B7	CEP170A7	CEP170B7	CEP180A7	CEP180B7	CEP190A7	CEP190B7
7960	95	CEP160A8	CEP160B8	CEP170A8	CEP170B8	CEP180A8	CEP180B8	CEP190A8	CEP190B8
8320	95	CEP132M9	CEP131M8	CEP134M10	CEP133M13	CEP150M1	CEP149M1	CEP154M10	CEP153M11
9540	95	CEP132M22	CEP131M22	CEP134M6	CEP133M14	CEP150M5	CEP149M2	CEP154M8	CEP153M10
9960	95	CEP160A9	CEP160B9	CEP170A9	CEP170B9	CEP180A9	CEP180B9	CEP190A9	CEP190B9
11400	95	CEP132M18	CEP131M23	CEP134M17	CEP133M15	CEP150M6	CEP149M3	–	–
	125	CEP132M44	–	CEP134M32	–	CEP150M7	–	CEP154M18	–
	150	–	CEP131M28	–	CEP133M29	–	CEP149M4	–	CEP153M16
12470	95	CEP160A10	CEP160B10	CEP170A10	CEP170B10	CEP180A10	CEP180B10	CEP190A10	CEP190B10
	125	CEP132M14	–	–	–	CEP150M13	–	CEP154M12	–
	150	–	CEP163B6	CEP134M33	CEP173B6	–	CEP183B6	–	CEP193B6
13280	95	CEP160A11	CEP160B11	CEP170A11	CEP170B11	CEP180A11	CEP180B11	CEP190A11	CEP190B11
	125	CEP132M10	–	CEP134M8	–	CEP150M12	–	CEP154M13	–
	150	–	CEP163B7	–	CEP173B7	–	CEP183B7	–	CEP193B7
13800	95	CEP160A12	CEP160B12	CEP170A12	CEP170B12	CEP180A12	CEP180B12	CEP190A12	CEP190B12
	125	CEP132M13	–	CEP134M9	–	CEP150M15	–	CEP154M14	–
	150	–	CEP163B8	–	CEP173B8	–	CEP183B8	–	CEP193B8
14400	95	CEP160A13	CEP160B13	CEP170A13	CEP170B13	CEP180A13	CEP180B13	CEP190A13	CEP190B13
	125	CEP132M5	CEP131M19	CEP134M2	CEP133M27	CEP150M10	–	–	CEP154M15
	150	–	CEP163B9	–	CEP173B9	–	CEP183B9	–	CEP193B9
15125	150	–	CEP131M24	–	CEP133M16	–	CEP149M5	–	CEP153M8
19920	150	–	CEP165B4	–	CEP175B4	–	CEP185B4	–	CEP195B4
20800	150	–	CEP131M9	–	CEP133M17	–	CEP149M6	–	CEP153M2
21600	150	–	CEP165B5	–	CEP175B5	–	CEP185B5	–	CEP195B5
22130	150	–	CEP131M25	–	CEP133M20	–	CEP149M13	–	CEP153M7
22800	150	–	CEP131M42	–	CEP133M11	–	CEP149M7	–	CEP153M6

(N/A) Not available in standard-duty (SD) design. Refer to extreme-duty (XD) capacitors in Table 4.

(–) Catalog number has not yet been assigned.

**Table 3. Ratings and Catalog Numbers for 60 Hz Heavy-Duty Single- and Double-Bushing Capacitors**

Ratings		50 kvar Capacitors		100 kvar Capacitors		150 kvar Capacitors		200 kvar Capacitors	
Voltage (V)	BIL (kV)	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single Bushing
2400	95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2770	95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4160	95	N/A	N/A	CEP431A3	CEP431B3	CEP432A3	CEP432B3	CEP440A3	CEP440B3
4800	95	N/A	N/A	CEP431A4	CEP431B4	CEP432A4	CEP432B4	CEP440A4	CEP440B4
6640	95	N/A	N/A	CEP431A5	CEP431B5	CEP432A5	CEP432B5	CEP440A5	CEP440B5
7200	95	N/A	N/A	CEP431A6	CEP431B6	CEP432A6	CEP432B6	CEP440A6	CEP440B6
7620	95	N/A	N/A	CEP431A7	CEP431B7	CEP432A7	CEP432B7	CEP440A7	CEP440B7
7960	95	N/A	N/A	CEP431A8	CEP431B8	CEP432A8	CEP432B8	CEP440A8	CEP440B8
8320	95	N/A	N/A	CEP426M4	CEP425M3	CEP428M6	CEP427M15	CEP430M13	CEP429M1
9540	95	N/A	N/A	CEP426M24	CEP425M4	CEP428M21	CEP427M21	CEP430M30	CEP429M31
9960	95	N/A	N/A	CEP431A9	CEP431B9	CEP432A9	CEP432B9	CEP440A9	CEP440B9
11400	95	N/A	N/A	CEP426M25	CEP425M19	CEP428M13	CEP427M22	CEP430M31	CEP429M19
	125	N/A	N/A	CEP426M55	–	CEP428M34	CEP427M27	CEP430M32	CEP429M88
	150	N/A	N/A	–	CEP425M23	–	CEP427M46	–	CEP429M20
12470	95	N/A	N/A	CEP431A10	CEP431B10	CEP432A10	CEP432B10	CEP440A10	CEP440B10
	125	N/A	N/A	CEP426M3	–	CEP428M11	–	CEP430M9	–
	150	N/A	N/A	–	CEP430B6	–	CEP439B6	–	CEP443B6
13280	95	N/A	N/A	CEP431A11	CEP431B11	CEP432A11	CEP432B11	CEP440A11	CEP440B11
	125	N/A	N/A	CEP426M9	–	CEP428M9	–	CEP430M7	–
	150	N/A	N/A	–	CEP430B7	–	CEP439B7	–	CEP443B7
13800	95	N/A	N/A	CEP431A12	CEP431B12	CEP432A12	CEP432B12	CEP440A12	CEP440B12
	125	N/A	N/A	CEP426M20	CEP425M14	CEP428M14	–	CEP430M2	–
	150	N/A	N/A	–	CEP430B8	–	CEP439B8	–	CEP443B8
14400	95	N/A	N/A	CEP431A13	CEP431B13	CEP432A13	CEP432B13	CEP440A13	CEP440B13
	125	N/A	N/A	CEP426M1	–	CEP428M5	CEP427M30	CEP430M1	–
	150	N/A	N/A	–	CEP430B9	–	CEP439B9	–	CEP443B9
15125	150	N/A	N/A	–	CEP425M1	–	CEP427M23	–	CEP429M12
19920	150	N/A	N/A	–	CEP434B4	–	CEP433B4	–	CEP445B4
20800	150	N/A	N/A	–	CEP425M20	–	CEP427M28	–	CEP429M38
21600	150	N/A	N/A	–	CEP434B5	–	CEP433B5	–	CEP445B5
22130	150	N/A	N/A	–	CEP425M31	–	CEP427M29	–	CEP429M23
22800	150	N/A	N/A	–	CEP425M30	–	CEP427M42	–	CEP429M10

(N/A) Not available in heavy-duty (HD) design. Refer to extreme-duty (XD) capacitors in Table 4.

(–) Catalog number has not yet been assigned.

**Table 3. Ratings and Catalog Numbers for 60 Hz Heavy-Duty Single- and Double-Bushing Capacitors (continued)**

Ratings		300 kvar Capacitors		400 kvar Capacitors		500 kvar Capacitors		600 kvar Capacitors	
Voltage (V)	BIL (kV)	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing
2400	95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2770	95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4160	95	–	–	–	–	–	–	–	–
4800	95	CEP432M34	–	–	–	–	–	–	–
6640	95	CEP460A5	CEP460B5	CEP470A5	CEP470B5	CEP480A5	CEP480B5	CEP490A5	CEP490B5
7200	95	CEP460A6	CEP460B6	CEP470A6	CEP470B6	CEP480A6	CEP480B6	CEP490A6	CEP490B6
7620	95	CEP460A7	CEP460B7	CEP470A7	CEP470B7	CEP480A7	CEP480B7	CEP490A7	CEP490B7
7960	95	CEP460A8	CEP460B8	CEP470A8	CEP470B8	CEP480A8	CEP480B8	CEP490A8	CEP490B8
8320	95	CEP432M9	CEP431M8	CEP434M10	CEP433M13	CEP450M1	CEP449M1	CEP454M10	CEP453M11
9540	95	CEP432M22	CEP431M22	CEP434M6	CEP433M14	CEP450M5	CEP449M2	CEP454M8	CEP453M10
9960	95	CEP460A9	CEP460B9	CEP470A9	CEP470B9	CEP480A9	CEP480B9	CEP490A9	CEP490B9
11400	95	CEP432M18	CEP431M23	CEP434M17	CEP433M15	CEP450M6	CEP449M3	–	–
	125	CEP432M44	–	CEP434M32	–	CEP450M7	–	CEP454M18	–
	150	–	CEP431M28	–	CEP433M29	–	CEP449M4	–	CEP453M16
12470	95	CEP460A10	CEP460B10	CEP470A10	CEP470B10	CEP480A10	CEP480B10	CEP490A10	CEP490B10
	125	CEP432M14	–	CEP434M4	–	CEP450M13	–	CEP454M12	–
	150	–	CEP463B6	–	CEP473B6	–	CEP483B6	–	CEP493B6
13280	95	CEP460A11	CEP460B11	CEP470A11	CEP470B11	CEP480A11	CEP480B11	CEP490A11	CEP490B11
	125	CEP432M10	–	CEP434M8	–	CEP450M12	–	CEP454M13	–
	150	–	CEP463B7	–	CEP473B7	–	CEP483B7	–	CEP493B7
13800	95	CEP460A12	CEP460B12	CEP470A12	CEP470B12	CEP480A12	CEP480B12	CEP490A12	CEP490B12
	125	CEP432M13	–	CEP434M9	–	CEP450M15	–	CEP454M14	–
	150	–	CEP463B8	–	CEP473B8	–	CEP483B8	CEP493A8	CEP493B8
14400	95	CEP460A13	CEP460B13	CEP470A13	CEP470B13	CEP480A13	CEP480B13	CEP490A13	CEP490B13
	125	CEP432M5	CEP431M19	CEP434M2	CEP433M27	CEP450M10	–	–	CEP454M15
	150	–	CEP463B9	–	CEP473B9	–	CEP483B9	–	CEP493B9
15125	150	–	CEP431M24	–	CEP433M16	–	CEP449M5	–	CEP453M8
19920	150	–	CEP465B4	–	CEP475B4	–	CEP485B4	–	CEP495B4
20800	150	–	CEP431M9	–	CEP433M17	–	CEP449M6	–	CEP453M2
21600	150	–	CEP465B5	–	CEP475B5	–	CEP485B5	–	CEP495B5
22130	150	–	CEP431M25	–	CEP433M20	–	CEP449M13	–	CEP453M7
22800	150	–	CEP431M42	–	CEP433M11	–	CEP449M7	–	CEP453M6

(N/A) Not available in heavy-duty (HD) design. Refer to extreme-duty (XD) capacitors in Table 4.

(–) Catalog number has not yet been assigned.

**Table 4. Ratings and Catalog Numbers for Extreme-Duty Capacitors**

Ratings		50 kvar Capacitors		100 kvar Capacitors		150 kvar Capacitors		200 kvar Capacitors	
Voltage (V)	BIL (kV)	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing
2400	95	CEP320A1	CEP320B1	CEP331A1	CEP331B1	CEP332A1	CEP332B1	CEP340A1	CEP340B1
2770	95	CEP320A2	CEP320B2	CEP331A2	CEP331B2	CEP332A2	CEP332B2	CEP340A2	CEP340B2
4160	95	CEP320A3	CEP320B3	CEP331A3	CEP331B3	CEP332A3	CEP332B3	CEP340A3	CEP340B3
4800	95	CEP320A4	CEP320B4	CEP331A4	CEP331B4	CEP332A4	CEP332B4	CEP340A4	CEP340B4
6640	95	CEP320A5	CEP320B5	CEP331A5	CEP331B5	CEP332A5	CEP332B5	CEP340A5	CEP340B5
7200	95	CEP320A6	CEP320B6	CEP331A6	CEP331B6	CEP332A6	CEP332B6	CEP340A6	CEP340B6
7620	95	CEP320A7	CEP320B7	CEP331A7	CEP331B7	CEP332A7	CEP332B7	CEP340A7	CEP340B7
7960	95	CEP320A8	CEP320B8	CEP331A8	CEP331B8	CEP332A8	CEP332B8	CEP340A8	CEP340B8
8320	95	CEP324M7	CEP323M3	CEP326M4	CEP325M3	CEP328M6	CEP327M15	CEP330M13	CEP329M1
9540	95	CEP324M19	CEP323M4	CEP326M24	CEP325M4	CEP328M21	CEP327M21	CEP330M30	CEP329M31
9960	95	CEP320A9	CEP320B9	CEP331A9	CEP331B9	CEP332A9	CEP332B9	CEP340A9	CEP340B9
11400	95	CEP324M8	CEP323M5	CEP326M25	CEP325M19	CEP328M13	CEP327M22	CEP330M31	CEP329M19
	125	CEP324M36	–	CEP326M55	–	CEP328M34	CEP327M27	CEP330M32	CEP329M88
	150	–	CEP323M18	–	CEP325M23	–	CEP327M46	–	CEP329M20
12470	95	CEP320A10	CEP320B10	CEP331A10	CEP331B10	CEP332A10	CEP332B10	CEP340A10	CEP340B10
	125	CEP324M5	–	CEP326M3	–	CEP328M11	–	CEP330M9	–
	150	–	CEP323B6	–	CEP330B6	–	CEP339B6	–	CEP343B6
13280	95	CEP320A11	CEP320B11	CEP331A11	CEP331B11	CEP332A11	CEP332B11	CEP340A11	CEP340B11
	125	CEP324M10	–	CEP326M9	–	CEP328M9	–	CEP330M7	–
	150	–	CEP323B11	–	CEP330B7	–	CEP339B7	–	CEP343B7
13800	95	CEP320A12	CEP320B12	CEP331A12	CEP331B12	CEP332A12	CEP332B12	CEP340A12	CEP340B12
	125	CEP324M11	–	CEP326M20	CEP325M14	CEP328M14	–	CEP330M2	–
	150	–	CEP323B8	–	CEP330B8	–	CEP339B8	–	CEP343B8
14400	95	CEP320A13	CEP320B13	CEP331A13	CEP331B13	CEP332A13	CEP332B13	CEP340A13	CEP340B13
	125	CEP324M2	–	CEP326M1	–	CEP328M5	CEP327M30	CEP330M1	–
	150	–	CEP323B9	–	CEP330B9	–	CEP339B9	–	CEP343B9
15125	150	–	CEP323M6	–	CEP325M1	–	CEP327M23	–	CEP329M12
19920	150	–	CEP323M11	–	CEP334B4	–	CEP333B4	–	CEP345B4
20800	150	–	CEP323M15	–	CEP325M20	–	CEP327M28	–	CEP329M38
21600	150	–	CEP323M16	–	CEP334B5	–	CEP333B5	–	CEP345B5
22130	150	–	CEP323M17	–	CEP325M31	–	CEP327M29	–	CEP329M23
22800	150	–	CEP323M14	–	CEP325M30	–	CEP327M42	–	CEP329M10

(–) Catalog number has not yet been assigned.



**Table 4. Ratings and Catalog Numbers for Extreme-Duty Capacitors (continued)**

Ratings		300 kvar Capacitors		400 kvar Capacitors		500 kvar Capacitors		600 kvar Capacitors	
Voltage (V)	BIL (kV)	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing	Double-Bushing	Single-Bushing
2400	95	–	–	–	–	–	–	–	–
2770	95	–	–	–	–	–	–	–	–
4160	95	–	–	–	–	–	–	–	–
4800	95	CEP332M34	–	–	–	–	–	–	–
6640	95	CEP360A5	CEP360B5	CEP370A5	CEP370B5	CEP380A5	CEP380B5	CEP390A5	CEP390B5
7200	95	CEP360A6	CEP360B6	CEP370A6	CEP370B6	CEP380A6	CEP380B6	CEP390A6	CEP390B6
7620	95	CEP360A7	CEP360B7	CEP370A7	CEP370B7	CEP380A7	CEP380B7	CEP390A7	CEP390B7
7960	95	CEP360A8	CEP360B8	CEP370A8	CEP370B8	CEP380A8	CEP380B8	CEP390A8	CEP390B8
8320	95	CEP332M9	CEP331M8	CEP334M10	CEP333M13	CEP350M1	CEP349M1	CEP354M10	CEP353M11
9540	95	CEP332M22	CEP331M22	CEP334M6	CEP333M14	CEP350M5	CEP349M2	CEP354M8	CEP353M10
9960	95	CEP360A9	CEP360B9	CEP370A9	CEP370B9	CEP380A9	CEP380B9	CEP390A9	CEP390B9
11400	95	CEP332M18	CEP331M23	CEP334M17	CEP333M15	CEP350M6	CEP349M3	–	–
	125	CEP332M44	–	CEP334M32	–	CEP350M7	–	CEP354M18	–
	150	–	CEP331M28	–	CEP333M29	–	CEP349M4	–	CEP353M16
12470	95	CEP360A10	CEP360B10	CEP370A10	CEP370B10	CEP380A10	CEP380B10	CEP390A10	CEP390B10
	125	CEP332M14	–	CEP334M4	–	CEP350M13	–	CEP354M12	–
	150	–	CEP363B6	–	CEP373B6	–	CEP383B6	–	CEP393B6
13280	95	CEP360A11	CEP360B11	CEP370A11	CEP370B11	CEP380A11	CEP380B11	CEP390A11	CEP390B11
	125	CEP332M10	–	CEP334M8	–	CEP350M12	–	CEP354M13	–
	150	–	CEP363B7	–	CEP373B7	–	CEP383B7	–	CEP393B7
13800	95	CEP360A12	CEP360B12	CEP370A12	CEP370B12	CEP380A12	CEP380B12	CEP390A12	CEP390B12
	125	CEP332M13	–	CEP334M9	–	CEP350M15	–	CEP354M14	–
	150	–	CEP363B8	–	CEP373B8	–	CEP383B8	–	CEP393B8
14400	95	CEP360A13	CEP360B13	CEP370A13	CEP370B13	CEP380A13	CEP380B13	CEP390A13	CEP390B13
	125	CEP332M5	CEP331M19	CEP334M2	CEP333M27	CEP350M10	–	–	CEP354M15
	150	–	CEP363B9	–	CEP373B9	–	CEP383B9	–	–
15125	150	–	CEP331M24	–	CEP333M16	–	CEP349M5	–	CEP353M8
19920	150	–	CEP365B4	–	CEP375B4	–	CEP385B4	–	CEP395B4
20800	150	–	CEP331M9	–	CEP333M17	–	CEP349M6	–	CEP353M2
21600	150	–	CEP365B5	–	CEP375B5	–	CEP385B5	–	CEP395B5
22130	150	–	CEP331M25	–	CEP333M20	–	CEP349M13	–	CEP353M7
22800	150	–	CEP331M42	–	CEP333M11	–	CEP349M7	–	CEP353M6

(–) Catalog number has not yet been assigned.

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