Low-Voltage Capacitors

Application

Bree Low-Voltage Capacitors are indicated for circuits in which additional electrical robustness is desired due to adverse operating conditions. They are recommended for the following applications:

- Periodical overvoltages;
- Voltage surges;
- Transients;
- Harmonics.

Fully Tested Equipment

- Bree has its own laboratory that allows it to conduct the routine, type, and special tests set out in international standards (IEC 60931).
- Bree's own manufacturing plant has ISO 9001, ISO 14001, and ISO 45001 certification.
- Bree is the nation's largest 100% Brazilian manufacturer of capacitors. The BR in our name stands for Brazil.

Design Features

All of our capacitors are manufactured as per the following technical specifications:

- "All-film" technology (dielectric with a polypropylene film) with an aluminum foil and a folded margin;
- Nominal voltage up to 1,000V;
- Impulse level: 15/25kV;
- Nominal frequency: 60Hz or 50Hz;
- Impregnation with WEMCOL II biodegradable oil, providing the best operation at different temperatures;
- Vitrified porcelain bushings as Insulators, welded directly to the tank;
- Capacitance tolerance of -5% to 10%;
- Discharge resistor: 50V in 5 min. or 75V in 10 minutes; (call us for other values and times)
- Installation altitude: 1,000 AMSL; (call us for higher altitudes)
- PCB-free equipment.
- Total harmonic current distortion of up to 85%. (call us for higher values)

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Types of Capacitors

CAPACITORS

MPM Type

The Single-Pole, Single-Phase Capacitor is indicated for outdoor installation.

(call us for a version with a fuse cutout)

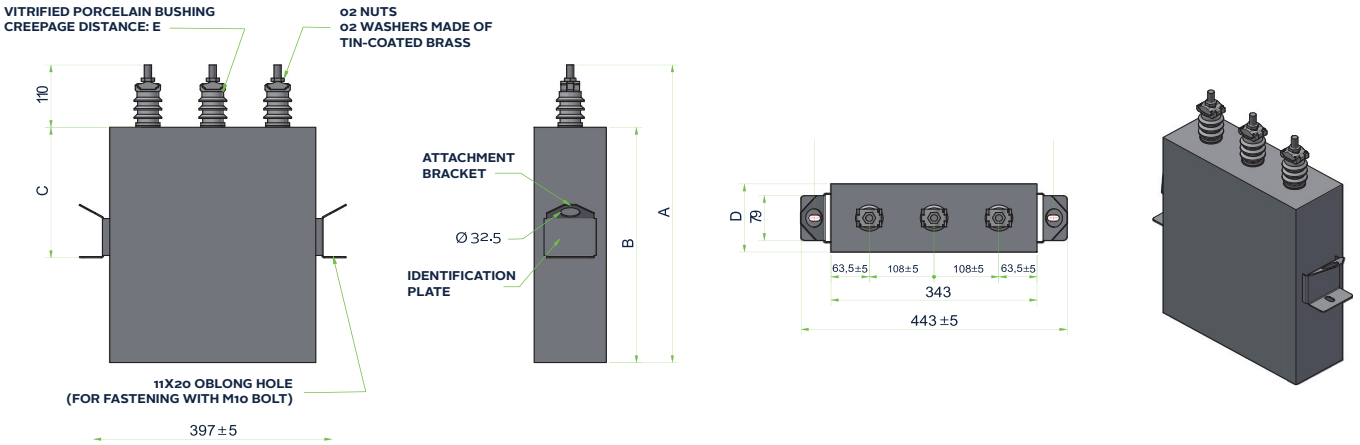
CAPACITORS

MPT Type

The Single-Pole, Three-Phase Capacitor is indicated for outdoor installation (except for the version with a fuse cutout).

(call us for a version with a fuse cutout)

Technical Information



Specifications

POWER (kvar)	Dimensions (mm)																			
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
2,5	252	14a	160	140	55	230	120	160	140	55	230	120	160	140	55	230	120	160	140	55
5	310	200	160	140	55	230	120	160	140	55	230	120	160	140	55	230	120	160	140	55
10	410	300	160	140	55	270	160	160	140	55	230	120	160	140	55	230	120	160	140	55
20	630	520	160	140	55	340	230	160	140	55	310	200	160	140	55	290	180	160	140	55
30	860	750	160	140	55	420	310	160	140	55	360	250	160	140	55	330	220	160	140	55
40	-	-	-	-	-	485	375	160	140	55	420	310	160	140	55	390	280	160	140	55
50	-	-	-	-	-	580	470	160	140	55	460	350	160	140	55	430	320	160	140	55
60	-	-	-	-	-	644	534	160	140	55	530	420	160	140	55	485	375	160	140	55
70	-	-	-	-	-	710	600	160	140	55	580	470	160	140	55	530	420	160	140	55
80	-	-	-	-	-	790	680	160	140	55	644	534	160	140	55	580	470	160	140	55
90	-	-	-	-	-	880	770	160	140	55	710	600	160	140	55	630	520	160	140	55
100	-	-	-	-	-	940	830	160	140	55	760	650	160	140	55	688	578	160	140	55
VOLTAGE (V)	220V					380V					440V					480V				

Notes:

- Upon prior request, other powers and voltages may be considered.
- The above drawing portrays the three-phase version. For the single-phase one, the central bushing is suppressed.
- Upon prior request, the capacitor can be manufactured with an cover.

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