

POWER FACTOR CORRECTION CAPACITOR

6 & 12 Step



Intelligent Power Factor Correction

Automatically optimizes reactive power compensation for improved system efficiency.



Reduced Energy Loss

Ensures reliable and balanced power management.



POWER CAPACITORS

MKP Cylindrical — Metallized Polypropylene Film Technology

Design & Construction

Civaux Electric PF Capacitors are made using Metallized Polypropylene film with built-in self-healing properties. The capacitors are wound on fully automatic winding machines that ensure no corona discharge & ionization. The elements are housed in a cylindrical shaped aluminium case with a built-in explosion-proof safety device.

Unique Features

- Compact Cylindrical Construction
- 3 Phase – Delta Connection
- Non-PCB Oil Encapsulation
- High Temperature Withstanding Capacity
- Self Healing Properties
- Explosion Proof Design
- Safe-Touch, Shock-Proof Terminals
- Longer Life Expectancy
- ECO-Friendly
- Wide Range – Standard, Heavy & Super Heavy Duty

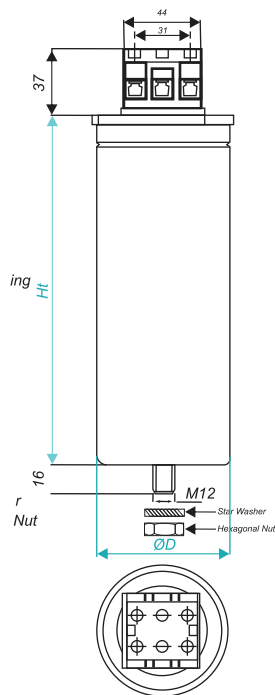


Explosion Proof Safety Device: Capacitors may disconnect due to very high repetitive voltage peaks which cannot be self-healed. An internal over-pressure disconnecter disconnects the capacitor from the power source and prevents explosion.

Technical Specifications

Parameter	Specification
Rated Voltage	380/ 400 / 415 / 440 / 480 / 525 V
Type	MKP Cylindrical
Frequency	50/60 Hz
kVAR Range	2.5 – 50 kVAR
Dielectric	Metallized Polypropylene Film with Zn/Al alloy, slope profile, Wave cut edge
Temperature Class	-25°C to +65°C
Max. Over Voltage	U+10% 8h/24h U+15% 30min/24h U+20% 5min/24h U+30% 1min/24h
Over Current	1.5 In
Losses	0.2 W/kVAR ≤ (Without Resistor) & ≤ 0.5 W/kVAR
Expected Life	> 150,000 hours
Standard	IEC 60831-1/2
Cooling	Natural Air Cooled
Annual Switching Ops	10,000

CAPACITOR SELECTION TABLE



Power (KVA _r)	Voltage (Volt)	Frequency (Hz)	Current (Amp)	Capacitance (μf)	Dimensions (mm)	Part Number
31	480	50	37.29	3×142.6	85×353	CPRC-031-480-50
24.9	480	50	29.95	3×114.6	85×353	CPRC-025-480-50
15.6	480	50	18.76	3×71.8	85×278	CPRC-016-480-50
12.4	480	50	14.91	3×57.1	85×210	CPRC-012-480-50
6.2	480	50	7.45	3×28.6	76×175	CPRC-006-480-50
30	480	50	36.08	3×138	85×353	CPRC-030-480-50

Power (KVA _r)	Voltage (Volt)	Frequency (Hz)	Current (Amp)	Capacitance (μf)	Dimensions (mm)	Part Number
25	400	50	36.08	3×166	85×278	CPC-025-400-50
20	400	50	28.86	3×133	85×278	CPC-020-400-50
12.5	400	50	18.04	3×83	85×210	CPC-012-400-50
10	400	50	14.43	3×66.5	76×210	CPC-010-400-50

5	400	50	7.21	3×33.5	63.5×160	CPC-005-400-50
25	400	60	36.08	3×138	100×247	CPC-025-400-60
20	400	60	28.86	3×110	85×247	CPC-020-400-60
12.5	400	60	18.04	3×69	76×247	CPC-012-400-60
10	400	60	14.43	3×55	76×210	CPC-010-400-60
5	400	60	7.21	3×27.6	63.5×160	CPC-005-400-60

Power (KVAR)	Voltage (Volt)	Frequency (Hz)	Current (Amp)	Capacitance (μf)	Dimensions (mm)	Part Number
28.1	440	60	36.87	3×128.6	100×247	CPRC-028-440-60
22.5	440	60	29.52	3×103	85×247	CPRC-022-440-60
14.1	440	60	18.5	3×64.5	85×210	CPRC-014-440-60
11.2	440	60	14.69	3×51.1	76×210	CPRC-011-440-60
5.8	440	60	7.61	3×26.5	63.5×160	CPRC-006-440-60
28.1	440	50	36.87	3×154.5	85×353	CPRC-028-440-50
22.5	440	50	29.52	3×123.7	85×278	CPRC-022-440-50
14.1	440	50	18.5	3×77.5	85×210	CPRC-014-440-50
11.2	440	50	14.69	3×61.6	85×210	CPRC-011-440-50
5.8	440	50	7.61	3×31.8	63.5×160	CPRC-006-440-50

Power (KVAR)	Voltage (Volt)	Frequency (Hz)	Current (Amp)	Capacitance (μf)	Dimensions (mm)	Part Number
25	415	50	34.78	3×154	85×278	CPC-025-415-50
20	415	50	27.82	3×123.5	85×278	CPC-020-415-50
12.5	415	50	17.39	3×77	76×210	CPC-012-415-50
10	415	50	13.91	3×61.6	76×210	CPC-010-415-50
5	415	50	6.95	3×31	63.5×160	CPC-005-415-50