

LOW VOLTAGE POWER CAPACITOR

TYPE CAP : 230,400 Volts OUTDOOR CAPACITORS

High Quality and save money for Power Factor Correction



No Leakage Risk

The **PRECISE** Type CAP power capacitors are composed with high quality elements, Which are made of metallized polypropylene film, is self-healing and dry without impregnation liquid.

Protection against climatic and mechanical influences is protection by an aluminium case. Container are made of stainless sheet with all join welded and tested for liquid tightness.

Self-healing Capability

Damage may occur on the dielectric due to fatigue, which results in local breakdowns on certain points. The resultant electric current evaporises that thin metallized layer and isolates damaged spot from the rest of capacitor. The capacitor then continues normal operation.

Safety Device

Every capacitor equipped with internal over-pressure disconnecter which will be disconnected the capacitor in case of overloading or other internal damages.

Discharge Resistor

The capacitors are equipped with discharge resistor according to IEC Standard 831-1. That reduces the voltage on capacitor from crest of rated voltage to 75 V (or 50 V) within 10 minute or less.

High Reliability

With proper designed and considered of operating temperature capability and voltage stress capability, manufactured and test conforming to the latest version of IEC No. 831-1, 831-2 (other standards are available upon request).

Very Low Losses

Total losses including discharge resistor are Less than 0.5 watt per kVAR max.

Light Weight

The capacitors are constructed to be light in weight.



PRECISE

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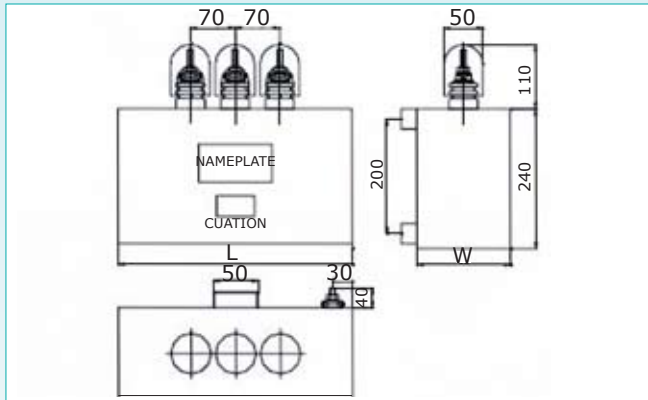
TECHNICAL SPECIFICATION

Standard:	IEC 831-1, IEC 831-2
Rated voltage:	230-400 volt
Rated frequency:	50 Hz
Capacitance tolerance:	(-5%)-(+10%)
Losses:	≤ 0.5 W/kVAR
Type:	selfhealing,dry
Dielectric:	Polypropylene
Safety:	self-healing, overpressure disconnecter
Connection:	3phase (single phase on request)
Execution:	Outdoor
Overvoltage:	1.1 Un (rated voltage)
Overcurrent:	1.3 In (rated current)
Maximum overload:	1.35 time of nominal rating
Inrush current:	130 time of In max
Temperature category:	-25/D
Voltage test:	-between terminals 2.15 Un for 10 sec -between terminals and earth 3 kV for 10 sec
Insulation level:	3/15 kV
Discharge device:	Internal discharge resistor

RATING

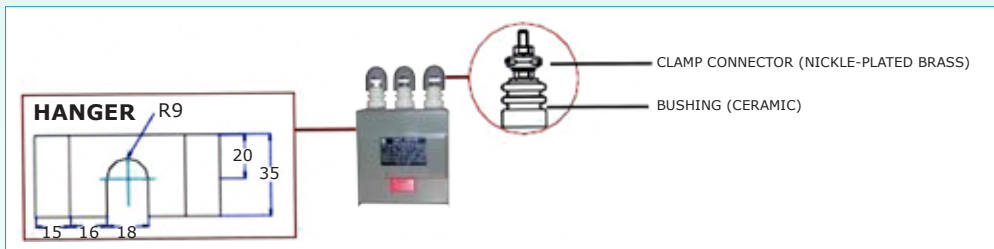
The following rating are in **PRECISE** 's standard line production of the capacitors. Other rating are available upon request.

VOLTAGE	PHASE	RATED OUTPUT (kVAR)	CAPACITANCE (Micro Farad)	RATED CURRENT (Ampere)	WEIGHT (kg.)
230 V 50 Hz	Single	2.5	151	10.9	3
		5	301	21.8	3.2
		7.5	452	32.6	3.8
		10	602	43.5	5.4
		12.5	753	54.4	6.0
		15	903	65.2	6.6
		20	1204	86.9	9.0
		25	1504	108.7	10.2
400 V 50 Hz	Three	5	3x33.3	7.2	3.2
		10	3x66.7	14.4	3.6
		15	3x100.0	21.7	4.0
		20	3x133.3	28.9	6.0
		25	3x166.7	36.1	6.3
		30	3x199.0	43.3	6.6
		45	3x298.3	65.0	9.6
		50	3x333.3	72.2	11.4
		60	3x400.0	86.6	11.8
75	3x500.0	108.3	13.6		



MODEL	RATED OUTPUT(kVAR)		DIMENSIONS (mm.)		CLAMP CONNECTOR SIZE (mm. ²)
	Single Phase	Three Phase	W	L	
CAP-1	2.5, 5, 7.5	5,10,15	80	210	6-25
CAP-2	10,12.5,15	20,25,30	150	210	6-25
CAP-3	20	45	150	350	25-35
CAP-4	25,30	50,60,75	220	350	35-70

Note: All dimensions on outline drawings are in mm.



Note: Data given this prospect are for informative purpose only in continuous aim to improve our products we reserve the right of change

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