

Cylindrical - Normal Duty MKP Capacitor

Shreem

Features

- Metallised polypropylene (MKP) film design
- Compact Cylindrical Al. can design.
- Jelly impregnation gives cooling effect
- Better heat dissipation
- Explosion proof design (Over pressure disconnecter)
- Low losses due to advanced winding and zinc spray equipments.

Application

- Fixed PF. correction
- Automatic P.F. Correction
- Harmonic Filter System



THREE PHASE CAPACITORS IN CYLINDRICAL ALUMINUM CASING. TECHNICAL DATA

STANDARDS	IS 13340 + 1 IEC-60831 -1 & 2
RATED VOLTAGE.	230...440 VOLT.
RATED FREQUENCY.	50/60 Hz.
OVER VOLTAGE.	UN + 10% 8 h in every 24 h. UN + 15% 30 min in every 24 h. UN + 20% 5 min in every 24 h. UN + 30% 1 min in every 24 h.
OVER CURRENT.	1.3 * IN
CAPACITANCE TOLERANCE.	-.5 to + 10 % As per standards. 0 to + 5% As per our ICS. (Internal capacitor standard.)
TEST VOLTAGE, TERMINAL.	1.75 * UN ,AC. 2S
TEST VOLTAGE, TERMINAL/CASE.	3.5 Kv ,AC 2S.
INRUSH CURRENT.	Max 200 * IN
LOSSES.	App. < 0.25 W/kVAr (without discharge resistors) App. < 0.50 W/kVAr (inclusive discharge resistors as per BIS)
CASING.	Cylindrical aluminum can
ENCLOSURE.	IP00, on request IP54 outdoor mounting.
LIFE EXPECTANCY.	>100.000h Temp level D >130.000h Temp level C.
AMBIENT TEMPERATURE.	-10 / D
COOLING.	Natural air cooled Casing temp max 60 C permitted on top of the can.
DIELECTRIC SYSTEM.	MKP metallised polypropylene film , self-healing property.
IMPREGNATION.	NPCB, biodegradable natural oil semi soft jelly .
SAFETY FEATURES.	Over pressure sensitive 3 phase disconnecter.
ALTITUDE.	Max.2000 mtr above sea level.
RELATIVE HUMIDITY.	Max 95 %
MOUNTING POSITION.	Vertical.
MOUNTING & EARTHING.	M12X16mm threaded stud at bottom of the case with nut & spring washer.
DISCHARGE RESISTORS.	External 1 minutes,50 V
TERMINALS	Mcap - M5 screw on single three-way terminals.

MONO PHASE CAPACITORS IN CYLINDRICAL ALUMINUM CASING.

MONO Phase SERIES, RATED VOLTAGE 230 V ,50Hz, 1-PHASE CONNECTION.							
Type	Reactive Power		Capacitance	Current	Dimensions D*H mm	Weight Kg.(Appr.)	Drawing No.
	Output	Kvar.	mf	A			
MONO230,1,00.80	0.8		48.2	3.48	50*135	0.29	C-1
MONO230,1,01.33	1.33		80.02	5.78	65*130	0.47	C-2
MONO230,1,01.67	1.67		100.47	7.26	75*196	0.80	C--5
MONO230,1,03.30	3.3		198.55	14.35	75*196	0.87	C--5

MONO Phase SERIES, RATED VOLTAGE 400 V ,50Hz, 1-PHASE CONNECTION.							
Type	Reactive Power		Capacitance	Current	Dimensions D*H mm	Weight Kg.(Appr.)	Drawing No.
	Output	Kvar.	mf	A			
MONO400,1,00.80	0.8		15.91	2	50*75	0.19	C-1
MONO400,1,01.67	1.67		33.22	4.18	50*135	0.29	C-1
MONO400,1,02.50	2.5		49.73	6.25	50*135	0.29	C-1
MONO400,1,03.30	3.3		65.65	8.25	65*130	0.47	C-2
MONO400,1,04.17	4.17		82.95	10.43	65*130	0.47	C-2
MONO400,1,05.00	5		99.5	12.5	75*196	0.87	C-5

THREE PHASE CAPACITORS IN CYLINDRICAL ALUMINUM CASING. (Normal Duty)

ND. SERIES, RATED VOLTAGE 400 V ,50Hz, 3-PHASE, DELTA CONNECTION.							
Type	Reactive Power		Capacitance	Current	Dimensions D*H mm	Weight Kg.(Appr.)	Drawing No.
	Output	Kvar.	mf	A			
Mcap 400,3,01.00	1		3*6.63	1.44	50*125	0.28	C-1
Mcap 400,3,02.00	2		3*13.26	2.89	50*125	0.28	C-1
Mcap 400,3,03.00	3		3*19.89	4.33	65*130	0.48	C-2
Mcap 400,3,04.00	4		3*26.52	5.77	65*130	0.48	C-2
Mcap 400,3,05.00	5		3*33.15	7.22	75*196	0.95	C-3
Mcap 400,3,07.50	7.5		3*49.73	10.83	75*196	0.95	C-3
Mcap 400,3,10.00	10		3*66.31	14.43	90*203	1.40	C-3
Mcap 400,3,12.50	12.5		3*82.88	18.04	90*203	1.40	C-3
Mcap 400,3,15.00	15		3*99.46	21.65	90*243	1.75	C-3
Mcap 400,3,20.00	20		3*132.61	28.87	116*243	2.60	C-4
Mcap 400,3,25.00	25		3*165.76	36.08	116*283	3.10	C-4

ND. SERIES, RATED VOLTAGE 440 V ,50Hz, 3-PHASE, DELTA CONNECTION							
Type	Reactive Power		Capacitance	Current	Dimensions D*H mm	Weight Kg.(Appr.)	Drawing No.
	Output	Kvar.	mf	A			
Mcap 440,3,01.00	1		3*5.48	1.31	50*125	0.26	C-1
Mcap 440,3,02.00	2		3*11.00	2.62	50*125	0.27	C-1
Mcap 440,3,03.00	3		3*16.44	3.93	65*130	0.45	C-2
Mcap 440,3,04.00	4		3*21.92	5.24	65*130	0.46	C-2
Mcap 440,3,05.00	5		3*27.40	6.56	75*196	0.95	C-3
Mcap 440,3,07.50	7.5		3*41.10	9.84	75*196	0.95	C-3
Mcap 440,3,10.00	10		3*54.80	13.12	90*203	1.40	C-3
Mcap 440,3,12.50	12.5		3*68.50	16.4	90*203	1.40	C-3
Mcap 440,3,15.00	15		3*82.20	19.68	90*243	1.75	C-3
Mcap 440,3,20.00	20		3*109.60	26.4	116*243	2.50	C-4
Mcap 440,3,25.00	25		3*137.00	32.8	116*243	2.60	C-4
Mcap 440,3,30.00	30		3*164.40	39.36	116*283	3.10	C-4

Other voltage rating ,output Kvar,single-phase and Frequency available on request.