

Cylindrical - Normal Duty MKP Capacitor



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.

fn	50Hz		60Hz		Dimension(mm)		Weight(kg)
U_D	240V		240V				
Product Code	Q_n	I_n	Qn	In	OD	H	
TYCAP0025240	2.50	10.42	3.00	12.50	76	240	1.0
TYCAP0050240	5.00	20.83	6.0	25.0	76	240	1.6
TYCAP0100240	10.00	41.67	12.0	50.0	86	240	2.6
TYCAP0100240	15.00	62.50	18.01	75.0	116	240	2.6

THREE PHASE CAPACITORS IN CYLINDRICAL ALUMINUM CASING.

fn	50Hz		60Hz		Dimension (mm)		Weight(kg)
U_D	440V		440V				
Product Code	Q_n	I_n	Qn	In	OD	H	
TYCAP0010440	1.0	1.31	1.20	1.57	76	120	0.5
TYCAP0020440	2.0	2.62	2.40	3.14	76	120	0.5
TYCAP0050440	5.0	7.22	6.00	8.67	96	120	0.8
TYCAP0100440	10.0	13.1	12.0	15.7	76	240	1.4
TYCAP0150440	15.0	19.7	18.0	23.6	86	240	1.8
TYCAP0200440	20.0	26.2	24.0	31.4	116	240	2.5
TYCAP0250440	25.0	32.8	30.0	39.4	116	290	2.8
TYCAP0300440	30.0	39.4	36.0	47.3	116	290	3.0

fn	50Hz		60Hz		Dimension (mm)		Weight(kg)
U_D	415V		415V				
Product Code	Q_n	I_n	Qn	In	OD	H	
TYCAP0010415	1.0	1.39	1.20	1.67	76	120	0.5
TYCAP0020415	2.0	2.79	2.40	3.34	76	120	0.5
TYCAP0050415	5.0	6.96	6.00	8.36	96	120	0.8
TYCAP0100415	10.0	13.9	12.0	16.7	76	240	1.4
TYCAP0150415	15.0	20.9	18.0	25.1	86	240	1.8
TYCAP0200415	20.0	27.9	24.0	33.4	116	240	2.5
TYCAP0250415	25.0	34.8	30.0	41.8	116	290	2.8
TYCAP0300415	30.0	41.8	36.0	50.1	116	290	3.0

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