



THE FIRST CHOICE OF ENERGY EFFICIENCY

700Q ELCO 0100

Rated Kvar
0100 – 10.0Kvar
0300 – 40.0Kvar

ELCO CYLINDRICAL TYPE POWER CAPACITOR

700 SERIES

6/15 KV

Three-phase Cylindrical - Type Power Capacitor is used to correct power factor for motors, low voltage transformer and inside industrial switchboard. It is sometimes used with blocking reactors with harmonics presence.

FEATURES

- Dry type, Cylindrical aluminum case
- 3 phase connection
- Rated voltage 440V
- Maximum permissible current 1.43x rated current
- Maximum inrush current 200 x rated current
- Compliance to standard IEC 60831 – 1 & 2
- Equipped with pressure activated series interruptor
- Statistical Life Expectancy > 150,000 operating hours



TECHNICAL SPECIFICATION

Construction			
Type	Dry Metalized Film, Self-Healing		
Casing	Cylindrical Extruded Aluminium Can		
Dielectric	Bi-Axially Oriented Polypropylene		
Plate	with Zinc-Aluminium Alloy		
Encapsulation/Impregnation	Polyurethane Resin Oven Cured		
Electrical Performance			
Rated Voltage (UN)	440V		
Frequency (fN)	50 / 60 Hz		
Connection	Internal Delta		
Temperature Category	D / -25°C to +55°C		
Relative Humidity	≤ 95%		
Capacitance Tolerance	-5% / 10%		
Dielectric Loss (excluding discharge resistor)	< 0.2W / kvar		
Total Losses (Including Discharge Resistor)	< 0.4W / kvar		
Total Losses (excluding discharge resistor)	< 0.3W / kvar		
Testing Voltage Between Terminals	2.15 UN For 2s		
Testing Voltage Between Terminals and Container / Time	6 KV / 10s		
Maximum Permissible Current	1.43 IN		
Lighting Impulse Test Between Terminal-Container	15KV (Peak)		
Maximum Inrush Current	200 IN		
Capacitor Discharge Time	3 min to 75V		
Statistical Life Expectancy	> 150,000 Operating Hours		
Standards	IEC 60831-1 & 2		
Installation			
Terminal Arrangements	Terminal Block		
Screw Torque	M5 : ≤ 2 Nm , M12 : ≤ 15 Nm		
Minimum Installation Clearance	50mm Between Top of Capacitor to Enclosure and 50mm Between Units		
Service Condition			
Residual voltage at energization	Not exceed 10% rated voltage		
Altitude	Not exceeding 2000 m		
Ambient temperature : Highest mean over any period of	24 Hours : 45°C , 1 year : 35°C		
Maximum Permissible Voltage	1.00 UN - Continuous	1.10 UN - 8 H in every 24 H	1.15 UN - 30 min in every 24 H
	1.20 UN - 5 min	1.3 UN - 1 min	
Safety Features			
Safety Device	Pressure Activated Series Interrupter		
IP Rating	IP20		

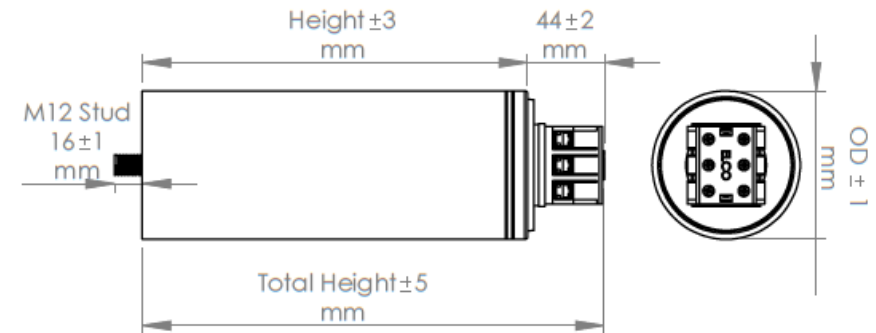
PRODUCT INFORMATION - 700 SERIES

	f _N	50Hz						Dimension			Weight (kg)
	U _N	440		400		240		(mm)			+/- 0.2
Product Code	Capacitance (uF)	Q _N	I _N	Q _N	I _N	Q _N	I _N	OD	Height	Total Height	Weight
700QELCO0100	3 x 54.8	10.0	13.1	8.3	11.9	3.0	7.2	75	225	270	1.3
700QELCO0125	3 x 68.5	12.5	16.4	10.3	14.9	3.7	8.9	75	225	270	1.3
700QELCO0150	3 x 82.2	15.0	19.7	12.4	17.9	4.5	10.7	75	225	270	1.3
700QELCO0200	3 x 109.6	20.0	26.2	16.5	23.9	6.0	14.3	75	287	332	2.0
700QELCO0250	3 x 137.0	25.0	32.8	20.7	29.8	7.4	17.9	86	287	332	2.0
700QELCO0300	3 x 164.4	30.0	39.4	24.8	35.8	8.9	21.5	86	329	374	2.5
700QELCO0350	3 x 191.8	35.0	45.9	28.9	41.8	10.4	25.1	120	287	332	3.0
700QELCO0400	3 x 219.2	40.0	52.5	33.1	47.7	11.9	28.6	120	287	332	3.0

	f _N	60Hz						Dimension			Weight (kg)
	U _N	440		400		240		(mm)			+/- 0.2
Product Code	Capacitance (uF)	Q _N	I _N	Q _N	I _N	Q _N	I _N	OD	Height	Total Height	Weight
700QELCO0100	3 x 54.8	12.0	15.7	9.9	14.3	3.6	8.6	75	225	270	1.3
700QELCO0125	3 x 68.5	15.0	19.7	12.4	17.9	4.5	10.7	75	225	270	1.3
700QELCO0150	3 x 82.2	18.0	23.6	14.9	21.5	5.4	12.9	75	225	270	1.3
700QELCO0200	3 x 109.6	24.0	31.5	19.8	28.6	7.1	17.2	75	287	332	2.0
700QELCO0250	3 x 137.0	30.0	39.4	24.8	35.8	8.9	21.5	86	287	332	2.0
700QELCO0300	3 x 164.4	36.0	47.2	29.8	42.9	10.7	25.8	86	329	374	2.5
700QELCO0350	3 x 191.8	42.0	55.1	34.7	50.1	12.5	30.1	120	287	332	3.0
700QELCO0400	3 x 219.2	48.0	63.0	39.7	57.3	14.3	34.4	120	287	332	3.0

Q_N = kVar ; I_N = Amps

PRODUCT DIMENSION



10.0 kvar to 40 kvar