



# THE FIRST CHOICE OF ENERGY EFFICIENCY

134Q ELCO 0050

Rated Kvar  
0050 – 5.0Kvar  
1000 – 100.0Kvar

## ELCO PRISMATIC-TYPE POWER CAPACITORS

### 134 SERIES

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, Metal Box & Epoxy Powder Coated Sheet Steel
- 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
- Statistical Life Expectancy > 200,000 operating hours
- **5 Year warranty against explosion**

#### TECHNICAL SPECIFICATION

Construction	
Type	Dry Metalized Film, Self-Healing
Casing	Metal Box & Epoxy Powder Coated Sheet Steel
Dielectric	Bi-Axially Oriented Polypropylene
Plate	with Zinc-Aluminium Alloy
Encapsulation/Impregnation	Cells-Polyurethane Resin
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	< 0.5W / KVAR
Testing Voltage Between Terminals	2.15 UN For 2s
Testing Voltage Between Terminals and Container	3.66 KV / 10s
Maximum Permissible Current	1.43 IN
Maximum Inrush Current	200 IN
Discharge Resistor (Discharge time - 3 min to 75V)	External
Capacitor Discharge Time	3 min to 75V
Statistical Life Expectancy	> 200,000 Operating Hours
Standards	IEC 60831-1 & 2
Installation	
Screw Torque	M8 : ≤ 4 Nm
Minimum Installation Clearance	50mm Between Units
Service Condition	
Residual voltage at energization	Not exceed 10% rated voltage
Altitude	Not exceeding 2000 m
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
	1.30 UN - 1 min
Safety Features	
Safety Device	Over Temperature Cut Off
IP Rating	IP40 (With Cable Gland)

#### PRODUCT INFORMATION - 134 SERIES

Product Code	f <sub>N</sub>		50Hz												Dimension (mm)				Weight (kg)
	U <sub>N</sub>	Capacitance (uF)	440		415		400		380		240		W	L	L1	H	+/- 0.2		
134QELCO0050	3 x 27.4	5.0	6.6	4.4	6.2	4.1	6.0	3.7	5.7	1.5	3.6	135	175	220	260	4.25			
134QELCO0075	3 x 41.1	7.5	9.8	6.7	9.3	6.2	8.9	5.6	8.5	2.2	5.4	135	175	220	260	4.25			
134QELCO0100	3 x 54.8	10.0	13.1	8.9	12.4	8.3	11.9	7.5	11.3	3.0	7.2	135	175	220	260	4.25			
134QELCO0125	3 x 68.5	12.5	16.4	11.1	15.5	10.3	14.9	9.3	14.2	3.7	8.9	135	175	220	260	4.5			
134QELCO0150	3 x 82.2	15.0	19.7	13.3	18.6	12.4	17.9	11.2	17.0	4.5	10.7	135	175	220	260	4.5			
134QELCO0200	3 x 109.6	20.0	26.2	17.8	24.8	16.5	23.9	14.9	22.7	6.0	14.3	135	340	385	280	8.5			
134QELCO0250	3 x 137.0	25.0	32.8	22.2	30.9	20.7	29.8	18.6	28.3	7.4	17.9	135	340	385	280	8.5			
134QELCO0300	3 x 164.4	30.0	39.4	26.7	37.1	24.8	35.8	22.4	34.0	8.9	21.5	135	340	385	280	8.5			
134QELCO0350	3 x 191.8	35.0	45.9	31.1	43.3	28.9	41.8	26.1	39.7	10.4	25.1	135	340	385	280	12.0			
134QELCO0400	3 x 219.2	40.0	52.5	35.6	49.5	33.1	47.7	29.8	45.3	11.9	28.6	135	340	385	380	12.0			
134QELCO0450	3 x 246.6	45.0	59.0	40.0	55.7	37.2	53.7	33.6	51.0	13.4	32.2	135	340	385	380	12.0			
134QELCO0500	3 x 274.0	50.0	65.6	44.5	61.9	41.3	59.6	37.3	56.7	14.9	35.8	135	340	385	380	12.5			
134QELCO0550	3 x 301.4	55.0	72.2	48.9	68.1	45.5	65.6	41.0	62.3	16.4	39.4	135	340	385	380	12.5			
134QELCO0600	3 x 301.4	60.0	78.7	53.4	74.3	49.6	71.6	44.8	68.0	17.9	42.9	135	340	385	380	12.5			
134QELCO0650	3 x 328.8	65.0	85.3	57.8	80.4	53.7	77.5	48.5	73.7	19.3	46.5	135	340	385	480	15.0			
134QELCO0700	3 x 383.6	70.0	91.9	62.3	86.6	57.9	83.5	52.2	79.3	20.8	50.1	135	340	385	480	15.0			
134QELCO0750	3 x 411.0	75.0	98.4	66.7	92.8	62.0	89.5	55.9	85.0	22.3	53.7	135	340	385	480	15.0			
134QELCO0800	3 x 438.4	80.0	105.0	71.2	99.0	66.1	95.4	59.7	90.7	23.8	57.3	135	340	385	480	17.5			
134QELCO0850	3 x 465.8	85.0	111.5	75.6	105.2	70.2	101.4	63.4	96.3	25.3	60.8	135	340	385	480	17.5			
134QELCO0900	3 x 493.2	90.0	118.1	80.1	111.4	74.4	107.4	67.1	102.0	26.8	64.4	135	340	385	480	17.5			
134QELCO9500	3 x 520.7	95.0	124.7	84.5	117.6	78.5	113.3	70.9	107.7	28.3	68.0	135	340	385	580	20.0			
134QELCO1000	3 x 548.0	100.0	131.2	89.0	123.8	82.6	119.3	74.6	113.3	29.8	71.6	135	340	385	580	20.0			

Product Code	f <sub>N</sub>		60Hz												Dimension (mm)				Weight (kg)
	U <sub>N</sub>	Capacitance (uF)	440		415		400		380		240		W	L	L1	H	+/- 0.2		
134QELCO0050	3 x 27.4	6.0	7.9	5.3	7.4	5.0	7.2	4.5	6.8	1.8	4.3	135	175	220	260	4.25			
134QELCO0075	3 x 41.1	9.0	11.8	8.0	11.1	7.4	10.7	6.7	10.2	2.7	6.4	135	175	220	260	4.25			
134QELCO0100	3 x 54.8	12.0	15.7	10.7	14.9	9.9	14.3	9.0	13.6	3.6	8.6	135	175	220	260	4.25			
134QELCO0125	3 x 68.5	15.0	19.7	13.3	18.6	12.4	17.9	11.2	17.0	4.5	10.7	135	175	220	260	4.5			
134QELCO0150	3 x 82.2	18.0	23.6	16.0	22.3	14.9	21.5	13.4	20.4	5.4	12.9	135	175	220	260	4.5			
134QELCO0200	3 x 109.6	24.0	31.5	21.4	29.7	19.8	28.6	17.9	27.2	7.1	17.2	135	340	385	280	8.5			
134QELCO0250	3 x 137.0	30.0	39.4	26.7	37.1	24.8	35.8	22.4	34.0	8.9	21.5	135	340	385	280	8.5			
134QELCO0300	3 x 164.4	36.0	47.2	32.0	44.6	29.8	42.9	26.9	40.8	10.7	25.8	135	340	385	280	8.5			
134QELCO0350	3 x 191.8	42.0	55.1	37.4	52.0	34.7	50.1	31.3	47.6	12.5	30.1	135	340	385	280	12.0			
134QELCO0400	3 x 219.2	48.0	63.0	42.7	59.4	39.7	57.3	35.8	54.4	14.3	34.4	135	340	385	380	12.0			
134QELCO0450	3 x 246.6	54.0	70.9	48.0	66.8	44.6	64.4	40.3	61.2	16.1	38.7	135	340	385	380	12.0			
134QELCO0500	3 x 274.0	60.0	78.7	53.4	74.3	49.6	71.6	44.8	68.0	17.9	42.9	135	340	385	380	12.5			
134QELCO0550	3 x 301.4	66.0	86.6	58.7	81.7	54.5	78.7	49.2	74.8	19.6	47.2	135	340	385	380	12.5			
134QELCO0600	3 x 301.4	72.0	94.5	64.1	89.1	59.5	85.9	53.7	81.6	21.4	51.5	135	340	385	380	12.5			
134QELCO0650	3 x 328.8	78.0	102.4	69.4	96.5	64.5	93.0	58.2	88.4	23.2	55.8	135	340	385	480	15.0			
134QELCO0700	3 x 383.6	84.0	110.2	74.7	104.0	69.4	100.2	62.7	95.2	25.0	60.1	135	340	385	480	15.0			
134QELCO0750	3 x 411.0	90.0	118.1	80.1	111.4	74.4	107.4	67.1	102.0	26.8	64.4	135	340	385	480	15.0			
134QELCO0800	3 x 438.4	96.0	126.0	85.4	118.8	79.3	114.5	71.6	108.8	28.6	68.7	135	340	385	480	17.5			
134QELCO0850	3 x 465.8	102.0	133.8	90.7	126.2	84.3	121.7	76.1	115.6	30.3	73.0	135	340	385	480	17.5			
134QELCO0900	3 x 493.2	108.0	141.7	96.1	133.7	89.3	128.8	80.6	122.4	32.1	77.3	135	340	385	480	17.5			
134QELCO9500	3 x 520.7	114.0	149.6	101.4	141.1	94.2	136.0	85.0	129.2	33.9	81.6	135	340	385	580	20.0			
134QELCO1000	3 x 548.0	120.0	157.5	106.8	148.5	99.2	143.1	89.5	136.0	35.7	85.9	135	340	385	580	20.0			

Q<sub>N</sub> = kVAR ; I<sub>N</sub> = Amps

#### PRODUCT DIMENSION

