



THE FIRST CHOICE OF ENERGY EFFICIENCY

135Q ELCO 0050

Rated Kvar
0050 – 5.0Kvar
11
1000 – 100.0Kvar

ELCO PRISMATIC-TYPE POWER CAPACITORS

135SERIES

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 525V
- 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)	525V
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 - 135 SERIES

Product Code	f _N U _N Capacitance (uF)	525		500		50Hz 480		440		380		Dimension (mm)				Weight (kg) +/- 0.2
		Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	W	L	L1	H	
135QELCO0050	3 x 19.2	5.0	5.5	4.5	5.2	4.2	5.0	3.5	4.6	2.6	4.0	135	175	220	260	4.25
135QELCO0075	3 x 28.9	7.5	8.2	6.8	7.9	6.3	7.5	5.3	6.9	3.9	6.0	135	175	220	260	4.25
135QELCO0100	3 x 38.5	10.0	11.0	9.1	10.5	8.4	10.1	7.0	9.2	5.2	8.0	135	175	220	260	4.25
135QELCO0125	3 x 48.1	12.5	13.7	11.3	13.1	10.4	12.6	8.8	11.5	6.5	10.0	135	175	220	260	4.5
135QELCO0150	3 x 57.7	15.0	16.5	13.6	15.7	12.5	15.1	10.5	13.8	7.9	11.9	135	175	220	260	4.5
135QELCO0200	3 x 77.0	20.0	22.0	18.1	20.9	16.7	20.1	14.0	18.4	10.5	15.9	135	340	365	280	8.5
135QELCO0250	3 x 96.2	25.0	27.5	22.7	26.2	20.9	25.1	17.6	23.0	13.1	19.9	135	340	365	280	8.5
135QELCO0300	3 x 115.5	30.0	33.0	27.2	31.4	25.1	30.2	21.1	27.7	15.7	23.9	135	340	365	280	8.5
135QELCO0350	3 x 134.7	35.0	38.5	31.7	36.7	29.3	35.2	24.6	32.3	18.3	27.9	135	340	365	380	12.0
135QELCO0400	3 x 154.0	40.0	44.0	36.3	41.9	33.4	40.2	28.1	36.9	21.0	31.8	135	340	365	380	12.0
135QELCO0450	3 x 173.2	45.0	49.5	40.8	47.1	37.6	45.2	31.6	41.5	23.6	35.8	135	340	365	380	12.0
135QELCO0500	3 x 192.5	50.0	55.0	45.4	52.4	41.8	50.3	35.1	46.1	26.2	39.8	135	340	365	380	12.5
135QELCO0550	3 x 211.7	55.0	60.5	49.9	57.6	46.0	55.3	38.6	50.7	28.8	43.8	135	340	365	480	12.5
135QELCO0600	3 x 231.0	60.0	66.0	54.4	62.8	50.2	60.3	42.1	55.3	31.4	47.8	135	340	365	480	12.5
135QELCO0650	3 x 250.2	65.0	71.5	59.0	68.1	54.3	65.4	45.7	59.9	34.1	51.7	135	340	365	480	15.0
135QELCO0700	3 x 269.5	70.0	77.0	63.5	73.3	58.5	70.4	49.2	64.5	36.7	55.7	135	340	365	480	15.0
135QELCO0750	3 x 288.7	75.0	82.5	68.0	78.6	62.7	75.4	52.7	69.1	39.3	59.7	135	340	365	480	15.0
135QELCO0800	3 x 308.0	80.0	88.0	72.6	83.8	66.9	80.4	56.2	73.7	41.9	63.7	135	340	365	480	17.5
135QELCO0850	3 x 327.2	85.0	93.5	77.1	89.0	71.1	85.5	59.7	78.3	44.5	67.7	135	340	365	480	17.5
135QELCO0900	3 x 345.5	90.0	99.0	81.6	94.3	75.2	90.5	63.2	83.0	47.2	71.6	135	340	365	480	17.5
135QELCO9500	3 x 365.7	95.0	104.5	86.2	99.5	79.4	95.5	66.7	87.6	49.8	75.6	135	340	365	580	20.0
135QELCO1000	3 x 385.0	100.0	110.0	90.7	104.7	83.6	100.5	70.2	92.2	52.4	79.6	135	340	365	580	20.0

Product Code	f _N U _N Capacitance (uF)	525		500		60Hz 480		440		380		Dimension (mm)				Weight (kg) +/- 0.2
		Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	W	L	L1	H	
135QELCO0050	3 x 19.2	6.0	6.6	5.4	6.3	5.0	6.0	4.2	5.5	3.1	4.8	135	175	220	260	4.25
135QELCO0075	3 x 28.9	9.0	9.9	8.2	9.4	7.5	9.0	6.3	8.3	4.7	7.2	135	175	220	260	4.25
135QELCO0100	3 x 38.5	12.0	13.2	10.9	12.6	10.0	12.1	8.4	11.1	6.3	9.6	135	175	220	260	4.25
135QELCO0125	3 x 48.1	15.0	16.5	13.6	15.7	12.5	15.1	10.5	13.8	7.9	11.9	135	175	220	260	4.5
135QELCO0150	3 x 57.7	18.0	19.8	16.3	18.9	15.0	18.1	12.6	16.6	9.4	14.3	135	175	220	260	4.5
135QELCO0200	3 x 77.0	24.0	26.4	21.8	25.1	20.1	24.1	16.9	22.1	12.6	19.1	135	340	365	280	8.5
135QELCO0250	3 x 96.2	30.0	33.0	27.2	31.4	25.1	30.2	21.1	27.7	15.7	23.9	135	340	365	280	8.5
135QELCO0300	3 x 115.5	36.0	39.6	32.7	37.7	30.1	36.2	25.3	33.2	18.9	28.7	135	340	365	280	8.5
135QELCO0350	3 x 134.7	42.0	46.2	38.1	44.0	35.1	42.2	29.5	38.7	22.0	33.4	135	340	365	380	12.0
135QELCO0400	3 x 154.0	48.0	52.8	43.5	50.3	40.1	48.3	33.7	44.2	25.1	38.2	135	340	365	380	12.0
135QELCO0450	3 x 173.2	54.0	59.4	49.0	56.6	45.1	54.3	37.9	49.8	28.3	43.0	135	340	365	380	12.0
135QELCO0500	3 x 192.5	60.0	66.0	54.4	62.8	50.2	60.3	42.1	55.3	31.4	47.8	135	340	365	380	12.5
135QELCO0550	3 x 211.7	66.0	72.6	59.9	69.1	55.2	66.4	46.4	60.8	34.6	52.5	135	340	365	480	12.5
135QELCO0600	3 x 231.0	72.0	79.2	65.3	75.4	60.2	72.4	50.6	66.4	37.7	57.3	135	340	365	480	12.5
135QELCO0650	3 x 250.2	78.0	85.8	70.7	81.7	65.2	78.4	54.8	71.9	40.9	62.1	135	340	365	480	15.0
135QELCO0700	3 x 269.5	84.0	92.4	76.2	88.0	70.2	84.5	59.0	77.4	44.0	66.9	135	340	365	480	15.0
135QELCO0750	3 x 288.7	90.0	99.0	81.6	94.3	75.2	90.5	63.2	83.0	47.2	71.6	135	340	365	480	15.0
135QELCO0800	3 x 308.0	96.0	105.6	87.1	100.5	80.2	96.5	67.4	88.5	50.3	76.4	135	340	365	480	17.5
135QELCO0850	3 x 327.2	102.0	112.2	92.5	106.8	85.3	102.6	71.6	94.0	53.4	81.2	135	340	365	480	17.5
135QELCO0900	3 x 345.5	108.0	118.8	98.0	113.1	90.3	108.6	75.9	99.5	56.6	86.0	135	340	365	480	17.5
135QELCO9500	3 x 365.7	114.0	125.4	103.4	119.4	95.3	114.6	80.1	105.1	59.7	90.7	135	340	365	580	20.0
135QELCO1000	3 x 385.0	120.0	132.0	108.8	125.7	100.3	120.7	84.3	110.6	62.9	95.5	135	340	365	580	20.0

Q_N = kVAR ; I_N = Amps

PRODUCT DIMENSION

