

ELECTRICAL COMPONENTS SDN BHD

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ELCO Cylindrical-Type Capacitor Bank

Three-phased Cylindrical-Type Capacitor Bank is used to correct Power Factor for Motors, Low Voltage Transformers and inside Industrial Switchboard. It is sometimes used with blocking reactors with harmonics presence.

PRODUCT SPECIFICATION -200 SERIES

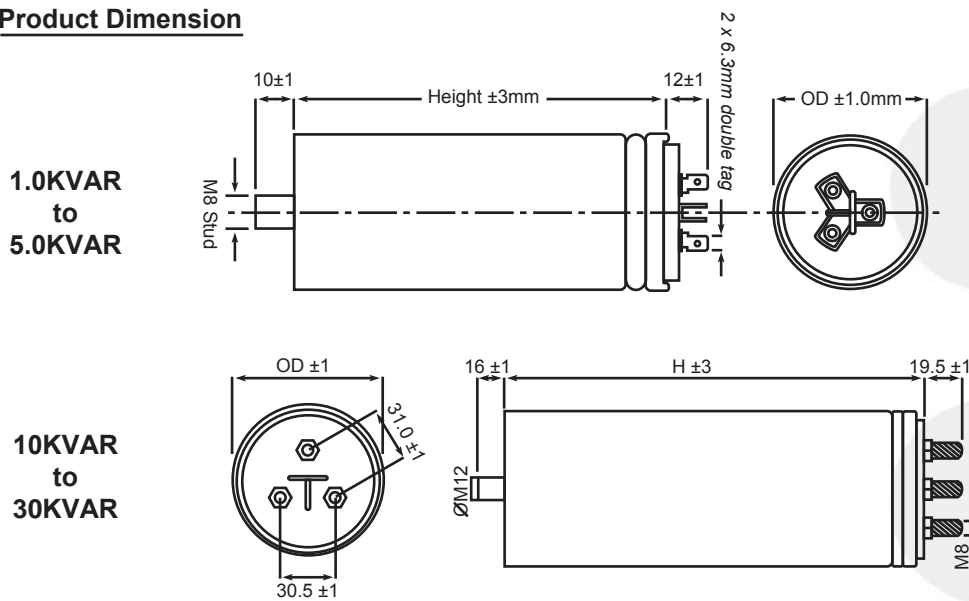
No	Specifications	Data			
		400V	415V	440V	525V
1	Rated Voltage (U_N)	Three Phase			
2	Rated Frequency (f_N)				
3	Construction	Cylindrical Aluminum Casing			
4	Type	Dry; Self-Healing			
5	Dielectric	Polypropylene Metallized Film			
6	Connection	Internal Delta			
7	Temperature Category	-25°C to +55°C / D			
8	Capacitance Tolerance	-5% to +10%			
9	Dielectric Loss	≤0.2W / kVAr			
10	Testing Voltage Between Terminals / Time	2.15 x U_N / 2s			
11	Testing Voltage Between Terminals & Container / Time	3000V / 10s			
12	Maximum Permissible Voltage For 8 Hrs in Every 24 Hrs	1.1 x U_N			
13	Maximum Permissible Current	1.3 x I_N			
14	Discharge Resistor	For 1 - 5 kVAr			
		For 10 - 35 kVAr			
15	Terminals	Internal			
		External			
15	Terminals	3 sets of 2 x 6.3mm Double Tags			
		3 x M8 Screw			
16	Lightning Impulse Test Between Terminal & Container	8kV (Peak)			
17	Safety Device	Internal Over-Pressure Disconnecter			
18	Installation Clearance	Minimum 15mm distance between top of capacitor and assembly enclosures; 20mm between capacitors			
19	Service Life	>100,000 Operating Hrs			
20	Standard	IEC 60831-1/2			

PRODUCT INFORMATION – 200 SERIES

f _N	50Hz								60Hz								Dimension (mm)		Weight (kg)
	400V		415V		440V		525V		400		415V		440V		525V				
U _b	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	Q _N	I _N	OD	H	
200QELCO0010	1.0	1.45	1.08	1.50	1.21	1.59	1.72	1.90	1.20	1.73	1.29	1.80	1.45	1.91	2.07	2.28	60	150	0.5
200QELCO0020	2.0	2.89	2.15	3.00	2.42	3.18	3.45	3.79	2.40	3.47	2.58	3.60	2.90	3.82	4.13	4.55	60	150	0.5
200QELCO0050	5.0	7.23	5.38	7.50	6.05	7.95	8.61	9.48	6.00	8.67	6.46	9.00	7.26	9.54	10.3	11.3	65	200	0.8
200QELCO0100	10.0	14.4	10.7	14.9	12.1	15.9	17.2	18.9	12.0	17.3	12.9	17.9	14.5	19.1	20.6	22.7	86	225	1.4
200QELCO0150	15.0	21.6	16.1	22.4	18.1	23.8	25.8	28.4	18.0	26.0	19.3	26.9	21.7	28.6	31.0	34.1	86	225	1.8
200QELCO0200	20.0	28.9	21.5	29.9	24.2	31.7	34.4	37.9	24.0	34.6	25.8	35.9	29.0	38.1	41.3	45.5	100	287	2.5
200QELCO0250	25.0	36.1	26.9	37.4	30.2	39.7	43.1	47.4	30.0	43.3	32.3	44.9	36.3	47.7	51.7	56.9	100	287	2.8
200QELCO0300	30.0	43.3	32.2	44.9	36.3	47.6	51.7	56.9	36.0	52.0	38.7	53.9	43.5	57.2	62.0	68.2	100	287	3.0

Q_N = kVAR ; I_N = Amps

Product Dimension



Certificate No.: 601128