

Capacitor for power factor correction



BO/R TER Series

Three phase Capacitors

230/440/480/525 V, 50Hz

Characteristics and utility

- Three phase capacitor
- DWCAP mounting in metal container
- Delta connection
- Discharge resistors incorporated
- Reactive power factor correction
- Dry type
- Connector type terminal
- Indoor installation

Triple Safety

- Overpressure disconnection system
- Protection by internal fuses.
- DWCAP system (patented) internal windings displacement

Construction and materials

- Low losses metallized self-healing polypropylene film, high density, high temperature and greater dielectric resistance Volt/ μ
- Polyurethane self-extinguishing resin V0, developed under standard UL94 by RTR Energia and with certification number 20141031-E470994
- Metal container with terminal covers and fixing brackets
- RAL 6034

Standard

- IEC 60831-1/2:2014
- UNE-EN 60831-1/2:2014



Technical Characteristics

Capacitance tolerance	-5 % +10%
Frequency	50 Hz (60 Hz upon request)
Temperature range	-25°C +55 °C (Class D)
Dielectric losses	≤ 0.2 W/KVAr
Total losses	≤ 0.45 W/KVAr
Over voltage	1.10 x Un (8 h/day) 1.15 x Un (30 min/day) 1.20 x Un (5 min/day) 1.30 x Un (1 min/day)
Over current	1.6xIn
Max. THD in voltage	2 %
Max. THD in current	25 %
Discharge resistance	Incorporated
Connection	Delta
Voltage test between terminals	2.15xUn 10s.
Voltage test between terminals and case	5kV AC for 1min
Inrush current	Up to 250 x In
Protection	IP-20
Humidity	Max. 95%
Life Expectancy	130.000h
Altitude	Max. 4000m.a.s.l.
Mounting position	Universal

* Without resistors

Code	Power KVA _r	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
R023000255TER00	2,5	230	50	6,28	3x 50,14	400x110x110
R023000505TER00	5	230	50	12,55	3x100,29	400x110x110
R023000755TER00	7,5	230	50	18,83	3x150,43	400x110x110
R023001005TER00	10	230	50	25,10	3x200,57	460x170x150
R023001255TER00	12,5	230	50	31,38	3x250,72	460x170x150
R023001505TER00	15	230	50	37,65	3x300,86	460x170x150
R023002005TER00	20	230	50	50,20	3x401,15	460x320x150
R023002505TER00	25	230	50	62,76	3x501,43	460x320x150
R023003005TER00	30	230	50	75,31	3x601,72	460x320x150
R023003505TER00	35	230	50	87,86	3x702,01	600x320x150
R023004005TER00	40	230	50	100,41	3x802,29	600x320x150

Code	Power KVA _r	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
R044000505TER00	5	440	50	6,56	3x 27,40	400x110x110
R044000755TER00	7,5	440	50	9,84	3x 41,10	400x110x110
R044001005TER00	10	440	50	13,12	3x 54,81	400x110x110
R044001255TER00	12,5	440	50	16,40	3x 68,51	400x110x110
R044001505TER00	15	440	50	19,68	3x 82,21	400x110x110
R044002005TER00	20	440	50	26,24	3x109,61	400x110x110
R044002505TER00	25	440	50	32,80	3x137,01	460x170x150
R044003005TER00	30	440	50	39,36	3x164,42	460x170x150
R044003505TER00	35	440	50	45,93	3x191,82	460x170x150
R044004005TER00	40	440	50	52,49	3x219,22	460x170x150
R044004505TER00	45	440	50	59,05	3x246,62	460x320x150
R044005005TER00	50	440	50	65,61	3x274,03	460x320x150
R044006005TER00	60	440	50	78,73	3x328,83	460x320x150
R044007005TER00	70	440	50	91,85	3x383,64	460x320x150
R044008005TER00	80	440	50	104,97	3x438,44	460x320x150
R044009005TER00	90	440	50	118,09	3x493,25	600x320x150
R044010005TER00	100	440	50	131,22	3x548,05	600x320x150

Code	Power KVA _r	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
R048000505TER00	5	480	50	6,01	3x 23,03	400x110x110
R048000755TER00	7,5	480	50	9,02	3x 34,54	400x110x110
R048001005TER00	10	480	50	12,03	3x 46,05	400x110x110
R048001255TER00	12,5	480	50	15,04	3x 57,56	400x110x110
R048001505TER00	15	480	50	18,04	3x 69,08	400x110x110
R048002005TER00	20	480	50	24,06	3x 92,10	460x170x150
R048002505TER00	25	480	50	30,07	3x115,13	460x170x150
R048003005TER00	30	480	50	36,08	3x138,16	460x170x150
R048003505TER00	35	480	50	42,10	3x161,18	460x170x150
R048004005TER00	40	480	50	48,11	3x184,21	460x320x150
R048004505TER00	45	480	50	54,13	3x207,23	460x320x150
R048005005TER00	50	480	50	60,14	3x230,26	460x320x150
R048006005TER00	60	480	50	72,17	3x276,31	460x320x150
R048007005TER00	70	480	50	84,20	3x322,36	600x320x150
R048008005TER00	80	480	50	96,23	3x368,41	600x320x150
R048009005TER00	90	480	50	108,25	3x414,47	600x320x150
R048010005TER00	100	480	50	120,28	3x460,52	600x320x150

Code	Power KVA _r	Voltage V	Frequency Hz	Current A	Capacitance μF	Dimensions mm
R052500505TER00	5	525	50	5,50	3x 19,25	400x110x110
R052500755TER00	7,5	525	50	8,25	3x 28,87	400x110x110
R052501005TER00	10	525	50	11,00	3x 38,50	400x110x110
R052501255TER00	12,5	525	50	13,75	3x 48,12	400x110x110
R052501505TER00	15	525	50	16,50	3x 57,74	400x110x110
R052502005TER00	20	525	50	21,99	3x 76,99	400x110x110
R052502505TER00	25	525	50	27,49	3x 96,24	460x170x150
R052503005TER00	30	525	50	32,99	3x115,49	460x170x150
R052503505TER00	35	525	50	38,49	3x134,73	460x170x150
R052504005TER00	40	525	50	43,99	3x153,98	460x320x150
R052504505TER00	45	525	50	49,49	3x173,23	460x320x150
R052505005TER00	50	525	50	54,99	3x192,48	460x320x150
R052506005TER00	60	525	50	65,98	3x230,97	460x320x150
R052507005TER00	70	525	50	76,98	3x269,47	460x320x150
R052508005TER00	80	525	50	87,98	3x307,96	600x320x150
R052509005TER00	90	525	50	98,97	3x346,46	600x320x150
R052510005TER00	100	525	50	109,97	3x384,96	600x320x150

* Other powers, voltages and frequencies upon request.