

COMPACT-1 SERIES

Capacitor bank for fixed compensation

230/440 V, 50 Hz

General Information

- Three phase protected capacitor
- Specially designed for reactive power factor correction for transformers and electrical installations where automatic regulation is not required
- Indoor wall mounting and ventilated room
- Inside cabinet temperature máx. $\leq 55^{\circ}\text{C}$
- Cable top entry

Upon request

RTR Technical team can assist for designing PFC equipment's which suit to the customer needs for different powers, voltage, frequency, auxiliary equipment's.. ect.

Components

- DWCAP, MA/C/CE TER or MA/C/CE Capacitors.
- Capacitor duty contactors with dumping resistors
- General protection by MCB
- Galvanized sheet metal cabinet and RAL 1013

Standard

- IEC 61921
- UNE-EN 61921

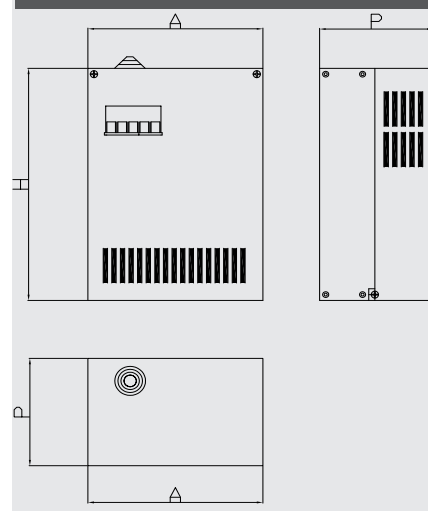


Technical Characteristics of capacitors

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	1,60xIn
Max. THD in voltage	2 %
Max. THD in current	25 %
Discharge resistance	Incorporated
Connection	Delta
Voltage test between terminals	2,15 x Un 10s
Voltage test between terminals and case	5kV AC for 1min
Inrush current	Up to 200 x In
Protection	IP-20
Humidity	Max. 95%
Life Expectancy	130.000h
Altitude	Max. 4000m.a.s.l.
Mounting position	Universal

* Without resistors

Dimensions



Without contactor

Code	Power	Voltage	Frequency	Current	Capacitance	Dimension
	KVAr	V	Hz	A	μF	HxAxP
1C230002515A000	2,5	230	50	6,28	3x 50,14	400x280x180
1C230005015A000	5	230	50	12,55	3x100,29	400x280x180
1C230007515A000	7,5	230	50	18,83	3x150,43	400x280x180
1C230010015A000	10	230	50	25,10	3x200,57	400x280x180
1C230012515A000	12,5	230	50	31,38	3x250,72	400x280x180
1C230015015A000	15	230	50	37,65	3x300,86	400x280x180
1C230020015A000	20	230	50	50,20	3x401,15	400x280x180

Code	Power	Voltage	Frequency	Current	Capacitance	Dimension
	KVAr	V	Hz	A	μF	HxAxP
1C440002515A000	2,5	440	50	6,56	3x 13,70	400x280x180
1C440005015A000	5	440	50	6,56	3x 27,40	400x280x180
1C440007515A000	7,5	440	50	9,84	3x 41,10	400x280x180
1C440010015A000	10	440	50	13,12	3x 54,81	400x280x180
1C440012515A000	12,5	440	50	16,40	3x 68,51	400x280x180
1C440015015A000	15	440	50	19,68	3x 82,21	400x280x180
1C440020015A000	20	440	50	32,80	3x109,61	400x280x180
1C440025015A000	25	440	50	32,80	3x137,01	400x280x180
1C440030015A000	30	440	50	39,36	3x164,42	400x280x180
1C440035015A000	35	440	50	45,93	3x191,82	400x280x180
1C440040015A000	40	440	50	52,49	3x219,22	400x280x180
1C440050015A000	50	440	50	65,61	3x274,03	400x280x180

With contactor

Code	Power	Voltage	Frequency	Current	Capacitance	Dimension
	KVAr	V	Hz	A	μF	HxAxP
1C230002515A00C	2,5	230	50	12,55	3x 50,14	400x280x180
1C230005015A00C	5	230	50	12,55	3x100,29	400x280x180
1C230007515A00C	7,5	230	50	18,83	3x150,43	400x280x180
1C230010015A00C	10	230	50	25,10	3x200,57	400x280x180
1C230012515A00C	12,5	230	50	31,38	3x250,72	400x280x180
1C230015015A00C	15	230	50	37,65	3x300,86	400x280x180
1C230020015A00C	20	230	50	0,00	3x401,15	400x280x180

Code	Power	Voltage	Frequency	Current	Capacitance	Dimension
	KVAr	V	Hz	A	μF	HxAxP
1C440002515A00C	2,5	440	50	3,28	3x13,70	400x280x180
1C440005015A00C	5	440	50	6,56	3x27,40	400x280x180
1C440007515A00C	7,5	440	50	9,84	3x41,10	400x280x180
1C440010015A00C	10	440	50	13,12	3x54,81	400x280x180
1C440012515A00C	12,5	440	50	16,40	3x68,51	400x280x180
1C440015015A00C	15	440	50	19,68	3x82,21	400x280x180
1C440020015A00C	20	440	50	26,24	3x109,61	400x280x180
1C440025015A00C	25	440	50	32,80	3x137,01	400x280x180
1C440030015A00C	30	440	50	39,36	3x164,42	400x280x180
1C440035015A00C	35	440	50	45,93	3x191,82	400x280x180
1C440040015A00C	40	440	50	52,49	3x219,22	400x280x180
1C440050015A00C	50	440	50	65,61	3x274,03	400x280x180

*Others powers, voltages and frequencies upon request.