

300 Series

For networks with low/medium harmonic distortion
< 30% THD in current [75 – 200Kvar / 440V 50Hz]



The 300 series is an automatic capacitors bank that was designed for the reactive energy compensation in medium and large facilities. However and in spite of its limited size, this equipment is made to operate with power ratings up to 200Kvar.

The top quality metal cabinets of the 300 series have compartments separated, by a metal plate, both for the power circuit and the switch breaker, in order to provide maximum safety to all components inside the equipment.

The 300 series is a manageable equipment of the a wall fixing type, easy and simple to install.

Golf camps, commercials centres, clinical and small hospitals, factories and productive workshops, restaurants, small supermarkets, hotels, etc. are the main destinations of the 300 series.

Technical specifications

- Rated voltage: **440V – 50Hz.**
 - Admissible working voltage range: **380 – 440V.**
 - Maximum admissible current: **1,3 IN.**
 - Tolerance of capacitance: **0 + 10 %.**
 - Insulation test:
 - **MAIN POWER CIRCUIT:**
Operating voltage (U): **440V.**
Testing voltage: **2.500V between terminals and terminals to case.**
 - **AUXILIAR CIRCUIT:**
Testing voltage: **2 x U + 1.000V, but not less than 1.500V between terminals and terminals to case.**
 - Temperature range inside the equipment:
 - Maximum Temperature: **45° C.**
 - Max. average over 24 hrs: **35° C.**
 - Max. average over 365 days: **25° C.**
 - Minimum Temperature: **- 5° C.**
 - Life expectancy:
 - Capacitors: **> 120.000 h.**
 - Capacitor Duty Contactors: **> 200.000 times.**
 - Auto-transformer: **440V / 230V integrated.**
 - Protection level: **IP31.**
 - Colour: **RAL 7032.**
 - Standards:
 - CE Conformity:
 - **73/23/CEE Directive**, about safety (and following amendments).
 - **89/336/CEE Directive**, about electromagnetic compatibility (and following amendments).
- Above mentioned product is made according to the following harmonization standards:

- IEC 60439-1:1999 (UNE-EN 60439-1:2001), Low-voltage switchgear and control-gear assemblies - Part 1: Type-tested and partially type-tested assemblies.

- IEC 61921:2003 (UNE-NE 61921:2003), Power capacitors - Low-voltage power factor correction banks.

Moreover all capacitors used are manufactured and tested according to established regulations in the standards:

CEI 60831-1:1995 (UNE-EN 60831-1: 1998).

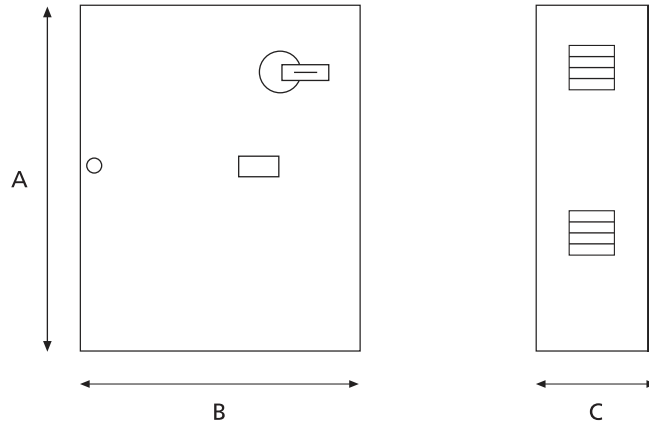
CEI 60831-2:1995 (UNE-EN 60831-2: 1998).

Standard equipment

- New generation of reactive energy controller V170 with a powerful microprocessor.Auto-Installed.
- Capacitor duty contactors.
- Three-phase capacitors of TR30 series with internal safety system.
- Three-pole on-load circuit breaker with protection fuses.
- Halogen free cables.
- Built in fan for an improved cooling of the panel.
- Top quality metal cabinet.

Optional equipment

- Automatic thermo- magnetic circuit breaker MCCB (Mini Circuit Contact Breaker).
- ELCB Residual current circuit breaker.
- Specially protected cabinets for outdoor installation (polyester, stainless steel, etc.).
- Cabinets with other protection levels (IP54, IP55, etc.).
- Special colours.



300 Series
75 - 200Kvar / 440V 50Hz

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Code	Power (Kvar)	Voltage (V)	Steps	Dimensions			Weight (Kg)
				A	B	C	
LM0750440	75	440	5 + 10 + 20 + 40	800	650	280	58
LM0800440	80	440	5 + 10 + 25 + 40	800	650	280	58
LM0900440	90	440	10 + 20 + 20 + 40	800	650	280	60
LM1000440	100	440	10 + 20 + 30 + 40	800	650	280	60
LM1100440	110	440	10 + 20 + 40 + 40	800	650	280	60
LM1200440	120	440	10 + 20 + 40 + 50	800	650	280	62
LM1250440	125	440	10 + 15 + 50 + 50	800	650	280	62
LM1300440	130	440	10 + 20 + 50 + 50	800	650	280	62
LM1375440	137,5	440	12,5 + 25 + 50 + 50	800	650	280	62
LM1400440	140	440	20 + 20 + 50 + 50	800	650	280	62
LM1500440	150	440	25 + 25 + 50 + 50	800	650	280	64
LM1600440	160	440	20 + 40 + 50 + 50	800	650	280	64
LM1700440	170	440	20 + 50 + 50 + 50	800	650	280	64
LM1750440	175	440	25 + 50 + 50 + 50	800	650	280	64
LM1800440	180	440	30 + 50 + 50 + 50	800	650	280	64
LM1900440	190	440	40 + 50 + 50 + 50	800	650	280	66
LM2000440	200	440	50 + 50 + 50 + 50	800	650	280	66

► Other power ratings, voltages, steps or frequencies available upon request
It's recommended before choosing equipment to analyse the net.
For Harmonics value > 2,5 % THDV, please refer to our Technical Department.



Halogen Free



Do Not Spread Flame



Auto Installed



Safety System



Technical Service