

200 Series

For networks with low/medium harmonic distortion
< 30% THD in current [37,5 – 90Kvar / 440V 50Hz]



The 200 series is the ideal solution for small and medium installations, where low reactive loads could sometimes be present. It is manufactured with small steps, so that it sets the required power factor with the highest accuracy.

The top quality metal cabinets of the 200 series have compartments separated, by metal plates both for the power circuit and the switch breaker, in order to provide maximum safety to all components inside the equipment.

In addition, the 200 series is featured by easy installation and maintenance and by its limited size.

It is the ideal solution for supermarkets, service stations, health centres, owner's communities, restaurants, small and medium workshops, commercial places, etc.

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:

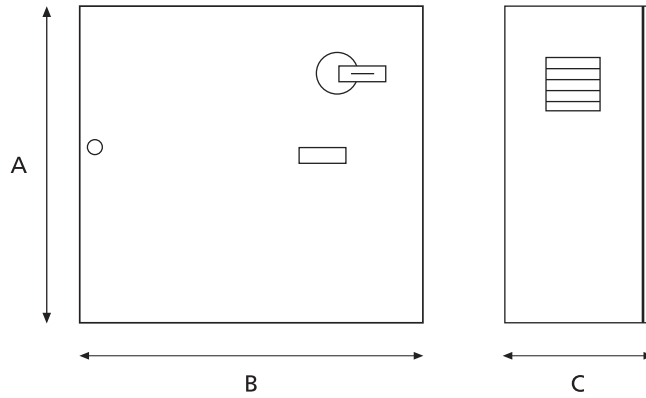
- **IEC 60439-1:1999 (UNE-EN 60439-1:2001)**, Low-voltage switchgear and control-gear assemblies - Part 1: Type-tested and partially type-tested assemblies.
 - **IEC 61921:2003 (UNE-NE 61921:2003)**, Power capacitors - Low-voltage power factor correction banks.
- Moreover, all capacitors used are manufactured 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 power factor controller V170 with microprocessor. Auto-install.
- Capacitor duty contactors.
- Three-phase capacitors of TR30 series with internal safety system.
- Three-pole on-load circuit breaker with protection fuses HRC.
- Halogen free cables.

Optional equipment

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



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37,5–90Kvar / 440V 50Hz

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Code	Power (Kvar)	Voltage (V)	Steps	Dimensions			Weight (Kg)
				A	B	C	
LT375440	37,5	440	2,5 + 5 + 10 + 20	600	650	280	33,5
LT400440	40	440	5 + 5 + 10 + 20	600	650	280	33,5
LT450440	45	440	5 + 10 + 10 + 20	600	650	280	35
LT500440	50	440	5 + 10 + 15 + 20	600	650	280	35
LT550440	55	440	5 + 10 + 20 + 20	600	650	280	39
LT600440	60	440	5 + 15 + 20 + 20	600	650	280	39
LT650440	65	440	5 + 10 + 20 + 30	600	650	280	43
LT700440	70	440	10 + 20 + 20 + 20	600	650	280	40
LT750440	75	440	10 + 15 + 25 + 25	600	650	280	40
LT800440	80	440	10 + 20 + 25 + 25	600	650	280	40
LT850440	85	440	10 + 25 + 25 + 25	600	650	280	40
LT900440	90	440	10 + 20 + 20 + 40	600	650	280	42

► 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