



## LC L36-90A-480

LC L36-90A-480, Filter

Code: R732150070000

- > Load current (A): 90
- > Frequency (Hz): 60
- > Q (kvar): 26,56
- > cabinet: FR4

### Description

LCL filters have been specially designed to eliminate the harmonics from the current absorbed by 6-pulse power converters, such as frequency variators for motors, UPS, etc. These are essentially passive filters based on a series-parallel combination of inductances and capacitors, adapted to filter the input of power converters.

### Application

- Reduction of the current wave's distortion towards the network and the rest of the installation.
- Compliance with the **IEC 61000-3-4, IEC 61000-3-12, IEC 61800-3 and IEEE-519.**
- Energy savings with the reduction of the root mean square current (RMS), thus reducing the kV-A demand.
- Increase of the working life of units above this location with the corresponding reduction of thermal losses generated.
- Limits current transients, preventing damages caused to the converter and overvoltage trips that affect production processes.



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Harmonic filter for power converters

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### Specifications

#### AC power supply

Frequency	60 Hz
Nominal voltage	400 Vca / 480 Vca F-F (otras tensiones, bajo demanda)

#### Mechanical characteristics

Size (mm) width x height x depth	800 x 1900 x 650 (mm)
Envelope	Treated and painted steel. Frame RAL 1013 / Doors RAL 3005
Fastening	On the ground

#### Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	80%
Installation, location, position.	Inside
Operating temperature	+ 35 °C

#### Electrical characteristics

Nominal current voltage drop	< 2 %
LC load current (RMS)	90 A
Filtered current If (RMS)	36 A
Residual current THD	Approx. 8%

#### Current measurement circuit

Allowable overload	1,5 I <sub>c</sub> (≤ 1 min.) + I <sub>c</sub> (≤ 5 min.) (at maximum operating temperature)
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#### Standards

Standards	UNE-EN 60439 , UNE-EN60831 , IEC 61000-6-3 , IEC 61000-6-4, Class A
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#### LCL

Harmonic filters for power converters

CODE	TYPE	Load current (A)	Q (kvar)
<b>400 V</b>			
R73107.	LC L35-16A-400	16	3,27
<b>460 - 480 V</b>			
R732140070000	LC L36-76A-480	76	22,77
R732150070000	LC L36-90A-480	90	26,56
R732160070000	LC L36-110A-480	110	30,36
R732170070000	LC L36-150A-480	150	45,53



## LC L36-90A-480

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CODE	TYPE	Load current (A)	Q (kvar)
R732180070000	LC L36-180A-480	180	53,12
R732190070000	LC L36-220A-480	220	60,71
R732200070000	LC L36-260A-480	260	68,3
R732210070000	LC L36-320A-480	320	91,07

Please contact us for other current, frequency and/or voltage values Optional: Overcompensation kit



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### Connections

