Three-Phase Vienna AC/DC PFC Inductor

Product Design Reference | PMT-PR-2026-1112-14 | Rev A/0 | 2026-11-12

This reference reproduces published product information and its stated evidence status. Final project specifications require an approved drawing and sample acceptance record.

Published Parameters and Conditions

Parameter	Published value / interpretation
Input voltage	380–480 V AC
Switching frequency	10 kHz
Nominal inductance	200 µH ±5%
Rated current	91 A RMS
Peak-current condition	453 A for 4 s in a 600 s cycle
Inductance at peak current	Greater than 180 µH at 453 A (at least 90% retention)
Mechanical envelope	Approximately 150 × 150 × 135 mm
Temperature rise	No public temperature-rise result; confirm ambient, cooling and thermal acceptance on the project sample
Evidence status	Published measured reference; samples delivered and small-batch production reported. Final acceptance follows the approved drawing and sample record

Application and Validation

380–480 Vac, 10 kHz, 200 µH ±5%, 91 A RMS, 453 A peak (4 s / 600 s), L @ 453 A > 180 µH. Measured values; samples delivered, in small-batch production.

Published values are provided for application review. Design values, simulation results, rendered images and measured values retain the status stated above. Final specifications and acceptance criteria require an approved drawing and project-specific sample testing.

Please provide topology, voltage, RMS and peak current, switching frequency, cooling, insulation requirements and available mounting space.

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Project Review and Contact

Send voltage, topology, frequency, RMS and peak current, loaded inductance or turns ratio, thermal boundary, insulation and available mounting dimensions. Sample fees and delivery schedule are confirmed in the project quotation.

3rd Floor, Building 1, No. 22 Dongda Road, Dongkeng Community, Fenghuang Street, Guangming District, Shenzhen, Guangdong 518132, China

Phone: +86 13537658938 | Email: zyong@promagtech.cn | www.promagtech.com

Product page: https://www.promagtech.com/products/vienna-acdc-pfc-inductor.html