

ADF

P200, 100 A Active Dynamic Filter



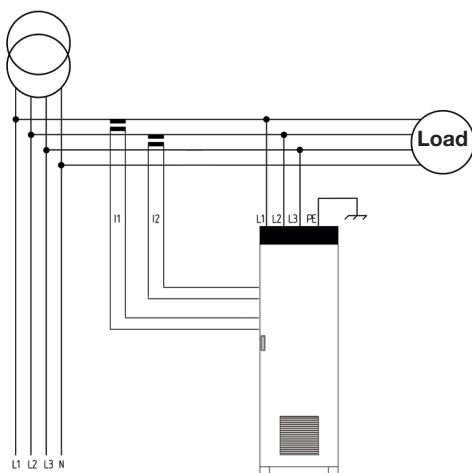
- High-speed active filter
- 50 Hz – 5 kHz bandwidth
- Voltage and Current Compensation
- Advanced Digital Control
- Easy Installation
- Insensitive to Network Conditions
- Harmonic Elimination
- Resonance Elimination
- Can compensate harmonics without current transformers
- Non-overloadable
- 380 – 480 V

Technical Specifications

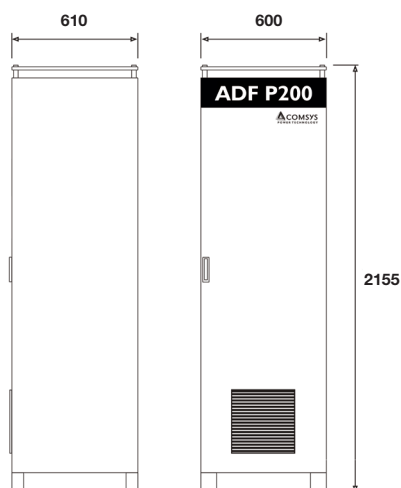
Model	ADF P200-100/480
Rated power *	70 / 84 kVA
Compensation current capacity at 50/60 Hz	100 A _{RMS}
System voltage	380 – 480 V
Nominal frequency	50/60 Hz ± 2 %
Number of phases	3
Connection type	3 phase without neutral (TN, TT)
Harmonic current compensated	curve selectable harmonics, interharmonics compensation up to 5 kHz (100 th order)
Filter efficiency	better than 97 %
Current compensation of cos φ	up to 1.0
Expandability	ADF P200 units can be used in parallel
Response time	< 20 μs
Power dissipation	< 1200 W
Maximum air flow requirement	600 m ³ /h
Noise level	< 60 dB
Environment	0 to 95 % RH non-condensing, max altitude 1000 m
Operating temperature	0 to 40 °C, < 25 °C recommended
Dimensions	600 x 2155 x 610 mm (W x H x D)
Weight	232 kg
Cabinet color	cabinet RAL 7035 (gray), base RAL 7022 (dark gray)
Protection class	IP20 according to IEC 529
Environmental conditions	chemical 3C3, mechanical 3S3
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4
Certificates	CE
Art no	401 001

* Compensation power at 400 V / 480 V nominal voltage

Connection Diagram (example)



Dimensions (mm)



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