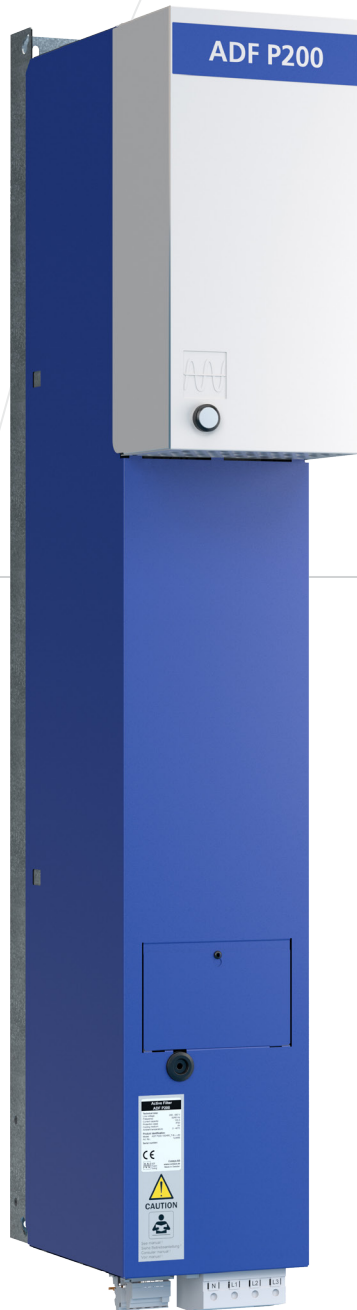
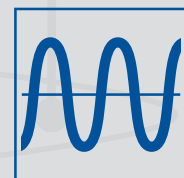


# ADF

## P200, 120 A Active Dynamic Filter



- High-speed active filter
- 50 Hz – 5 kHz bandwidth
- Current and Sensorless Compensation
- Advanced Digital Control
- Easy Installation
- Insensitive to Network Conditions
- Harmonic Elimination
- Resonance Elimination
- Can compensate harmonics without current transformers
- Non-overloadable
- 208 – 480 V



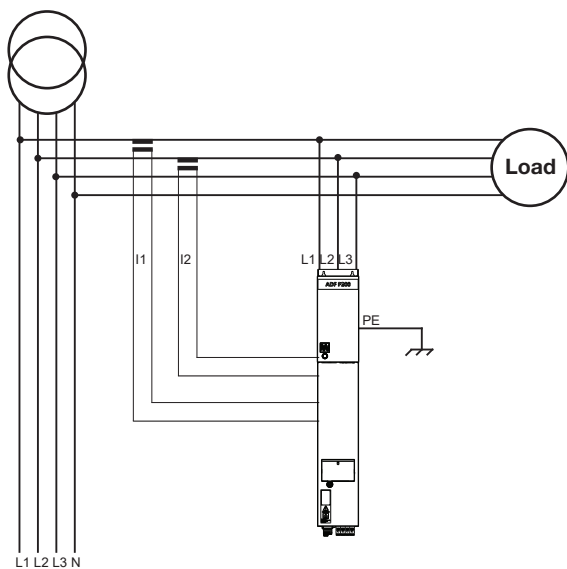
ADF  
Power  
Tuning

# Technical Specifications

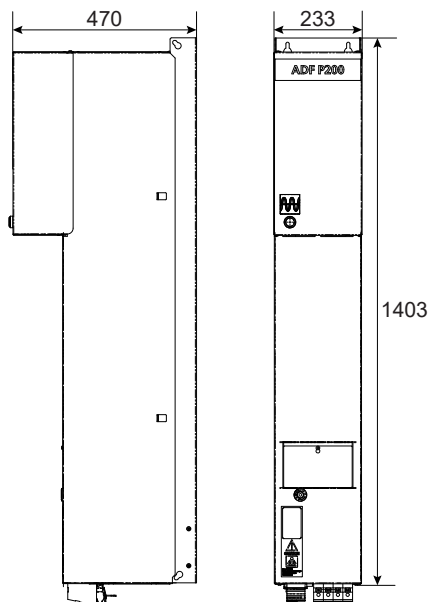
Model	ADF P200-120/480
Rated power *	83 / 100 kVA
Compensation current capacity at 50/60 Hz	120 A <sub>RMS</sub>
System voltage	208 – 480 V
Nominal frequency	50/60 Hz ± 2 %
Number of phases	3 phase 3 wire
Connection type	3 phase without neutral (TN, TT)
Harmonic compensated	curve selectable harmonics, interharmonics compensation up to 5 kHz (100 <sup>th</sup> 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 <sup>3</sup> /h
Noise level	< 70 dB(A)
Environment	0 to 95 % RH non-condensing, max altitude 1000 m without derating
Operating temperature	0 to 50 °C, up to 40 °C without derating
Dimensions	230 x 1400 x 470 mm (W x H x D)
Weight	90 kg
Cabinet color	cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)
Protection class	IP20 according to IEC 529
Environmental conditions	chemical 3C3, mechanical 3S3
Electromagnetic compatibility	EN55011, Class A
Certificates	CE

\* Compensation power at 400 V / 480 V nominal voltage

## Connection Diagram (example)



## Dimensions (mm)



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