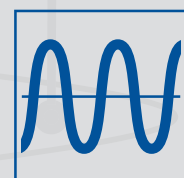


# ADF

## P200, 120 A Active Dynamic Filter



- Supports Sensorless Control
- High-speed active filter
- 50 Hz – 5 kHz bandwidth
- Advanced Digital Control
- Easy Installation
- Insensitive to Network Conditions
- Harmonic Elimination
- Resonance Elimination
- Non-overloadable
- 208 – 480 V



ADF  
Power  
Tuning

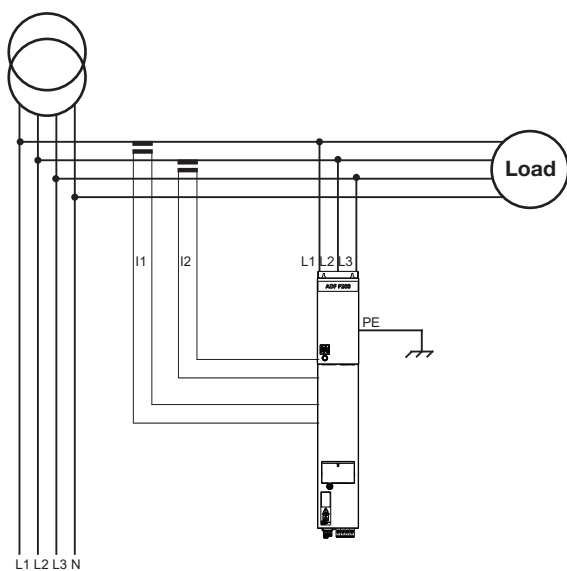
# Technical Specifications

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 current 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
Enclosure color	RAL 7035 (light grey) RAL 5017 (traffic blue)
Protection class	IP20, IP21** according to IEC 529, other ratings upon request
Environmental conditions	chemical 3C2, mechanical 3S2
Electromagnetic compatibility	EN55011, Class B
Certificates	CE

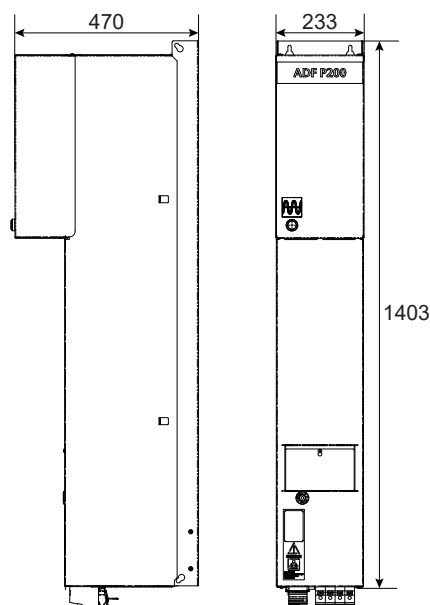
\* Compensation power at 400 V / 480 V nominal voltage

\*\* Option

## Connection Diagram (example)



## Dimensions (mm)



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Partner: