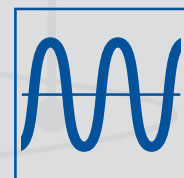


ADF

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

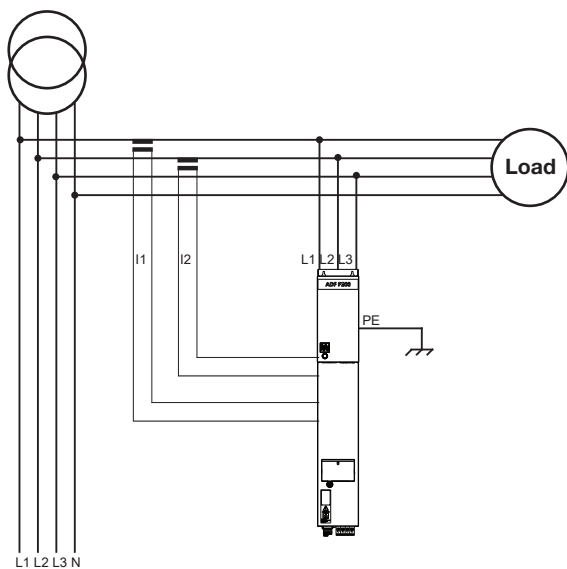
Technical Specifications

Model	ADF P200-120/480
Rated power *	83 / 100 kVA
Compensation current capacity at 50/60 Hz	120 A _{RMS}
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 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	< 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

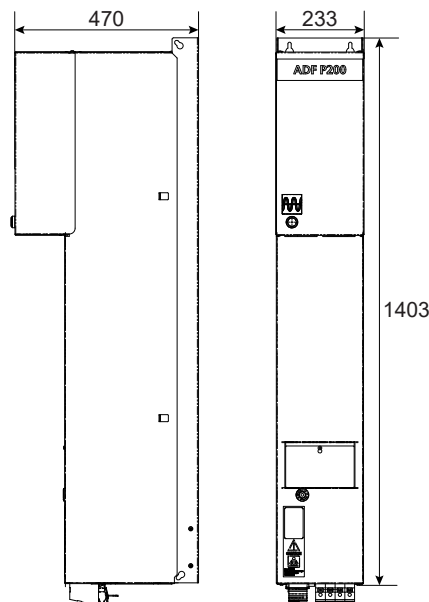
* Compensation power at 400 V / 480 V nominal voltage

** Option

Connection Diagram (example)



Dimensions (mm)



Comsys AB, Fältspatvägen 4, SE-224 78 Lund, Sweden
 Tel +46 10 209 6800
 info@comsys.se <http://adfpowertuning.com>

Partner:



Energy Control Systems, Inc.
 5500 E. Loop 820 S. #205
 Fort Worth, TX 76119
 +1.817.483.8497
 info@ecsintl.com
 www.ecsintl.com