

ADF

P100N, 100 A Active Dynamic Filter



- High Performance and Reliability
- Wall mounted
- 100 A harmonics compensation
- 300 A neutral compensation
- Advanced Digital Control
- Easy Installation
- Insensitive to Network Conditions
- Harmonic Elimination
- Total Power Factor Correction
- Active Load Balancing
- Dynamic VAR compensation
- Non-overloadable
- Available in 208 – 415 V



Technical Specifications

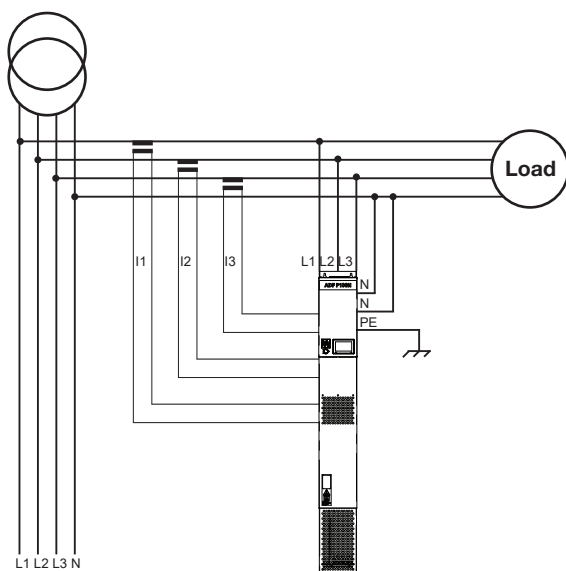
Model	ADF P100N-100/415
Rated power *	70 kVA
Compensation current capacity at 50/60 Hz	100 A _{RMS} / 300 A _{RMS} Ψ
System voltage	208 – 415 V
Nominal frequency	50/60 Hz ± 2 %
Number of phases	3 phase 4 wire
Connection type	3 phase with neutral (TN, TT)
Harmonic current compensated	individual compensation up to 49 th order; 19 th order in neutral
Rate of harmonic reduction	better than 98 %
Current compensation of cos φ	up to 1.0
Expandability	up to 15 ADF P100N units can be used in parallel
Response time	< 1 ms
Power dissipation	< 2235 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 1790 x 470 mm (W x H x D)
Weight	170 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, ABS

* Compensation power at 400 V nominal voltage

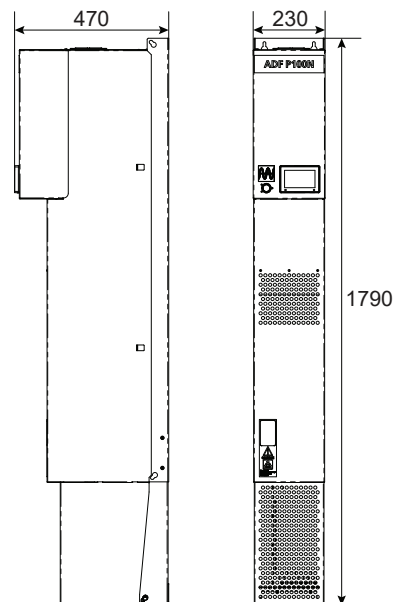
** Option

Ψ Derating applies above 415 V

Connection Diagram (example)



Dimensions (mm)



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