

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 – 480 V



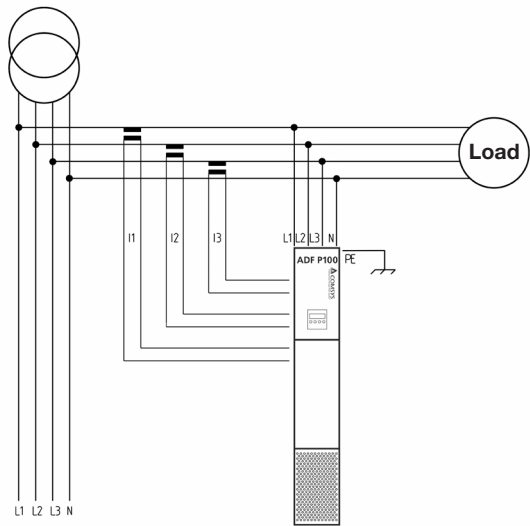
COMSYS
Creating Value through Power Quality™

Technical Specifications

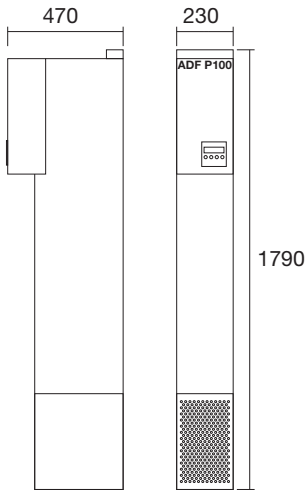
Model	ADF P100N-100/480
Rated power *	70 / 84 kVA
Compensation current capacity at 50/60 Hz	100 A _{RMS} / 300 A _{RMS} Ψ
System voltage **	480 V (208 – 480 V)
Nominal frequency **	50/60 Hz ± 2 %
Number of phases	3 phase 4 wire
Connection type	3 phase with neutral (TN, TT, IT)
Harmonic current compensated	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	ADF P100N units can be used in parallel
Response time	< 1 ms
Power dissipation	< 2235 W
Maximum air flow requirement	600 m³/h
Noise level	< 70 dB(A)
Environment	0 to 95 % RH non-condensing, max altitude 1000 m
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	160 kg
Enclosure color	RAL 7035 (gray) RAL 5017 (blue)
Protection class	IP20 according to IEC 529
Environmental conditions	chemical 3C2, mechanical 3S2
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4
Certificates	CE
Art no	400 095

* Compensation power at 400 V / 480 V nominal voltage
** Please state your system voltage and line frequency when ordering
Ψ Derating applies above 415 V

Connection Diagram (example)



Dimensions (mm)



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