

ADF

P100, 70 – 130 A Active Dynamic Filter



- High Performance and Reliability
- Wall mounted
- Advanced Digital Control
- Easy Installation
- Insensitive to Network Conditions
- Harmonic Elimination
- Total Power Factor Correction
- Active Load Balancing
- Dynamic VAR compensation
- Sensorless operation
- Non-overloadable
- Available in 208 – 480 V and 480 – 690 V version



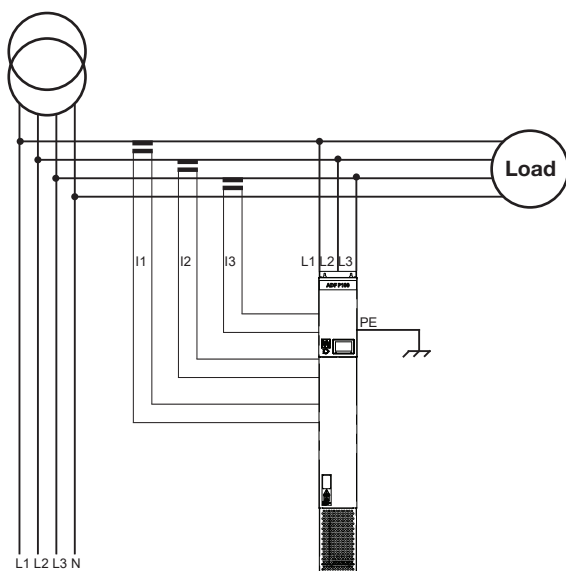
Technical Specifications

Model	ADF P100-70/480	ADF P100-100/480	ADF P100-130/480	ADF P100-90/690
Rated power *	49 / 59 kVA	70 / 84 kVA	91 / 109 kVA	94 / 108 kVA
Compensation current capacity at 50/60 Hz	70 A _{RMS}	100 A _{RMS}	130 A _{RMS}	90 A _{RMS}
System voltage	480 V (208 – 480 V)		690 V (480 – 690 V)	
Nominal frequency	50/60 Hz ± 2 %			
Number of phases	3 phase 3 wire			
Connection type	3 phase without neutral (TN, TT, IT**)			
Harmonic current compensated	individual compensation up to 49 th order			
Rate of harmonic reduction	better than 98 %			
Current compensation of cos φ	up to 1.0			
Expandability	ADF P100 units can be used in parallel			
Response time	< 1 ms			
Power dissipation	< 1500 W	< 2235 W	< 2970 W	< 2969 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	145 kg		155 kg	
Enclosure color	RAL 7035 (light grey) RAL 5017 (traffic blue)			
Protection class	IP20 according to IEC 529			
Environmental conditions	chemical 3C2, mechanical 3S2			
Electromagnetic compatibility	EN55011, Class A			
Certificates	CE, ABS			

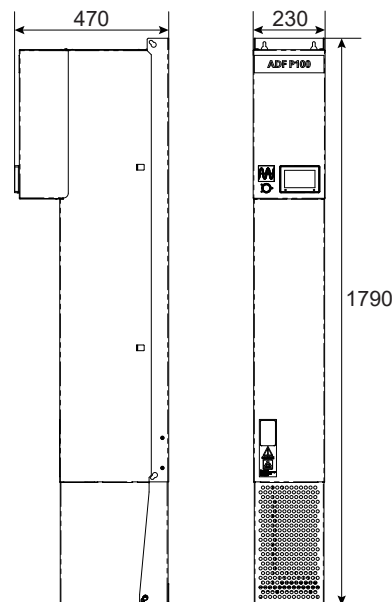
* Compensation power at 400 V / 480 V (600 V / 690 V) nominal voltage

** Option

Connection Diagram (example)



Dimensions (mm)



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