

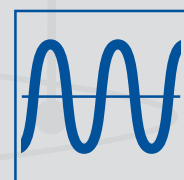
ADF

P100, 50 – 150 A
Active Dynamic Filter



IMPROVED
VERSION

- High Performance and Reliability
- Wall mounted
- Advanced Digital Control
- Wide range of current ratings
- 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



ADF
Power
Tuning

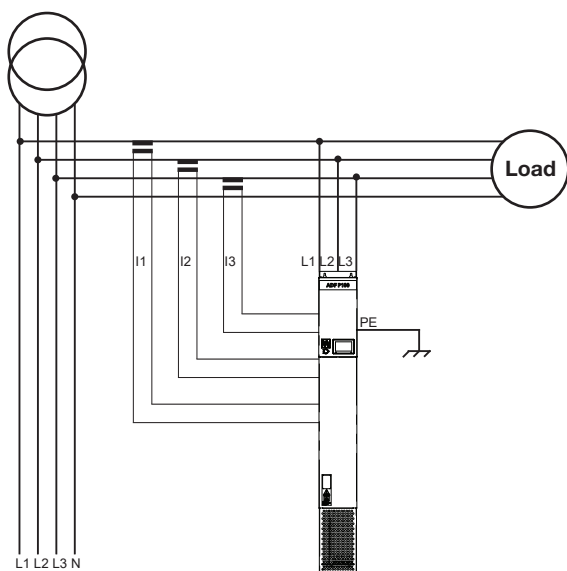
Technical Specifications

Model	ADF P100-50/480	ADF P100-75/480	ADF P100-90/480	ADF P100-120/480	ADF P100-150/480	ADF P100-90/690
Rated power *	35 / 42 kVA	52 / 62 kVA	62 / 75 kVA	83 / 100 kVA	104 / 125 kVA	94 /108 kVA
Compensation current capacity at 50/60 Hz	50 A _{RMS}	75 A _{RMS}	90 A _{RMS}	120 A _{RMS}	150 A _{RMS}	90 A _{RMS}
System voltage (± 10 %)	480 V (208 – 480 V)					690 V (480 – 690 V)
Nominal frequency	50/60 Hz ± 5 %					
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	up to 15 ADF P100 units can be used in parallel					
Response time	< 1 ms					
Power dissipation	< 1600 W	< 2535 W	< 3180 W	< 3155 W	< 3225 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	91 kg	91 kg	91 kg	105 kg	116 kg	150 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, DNV GL					

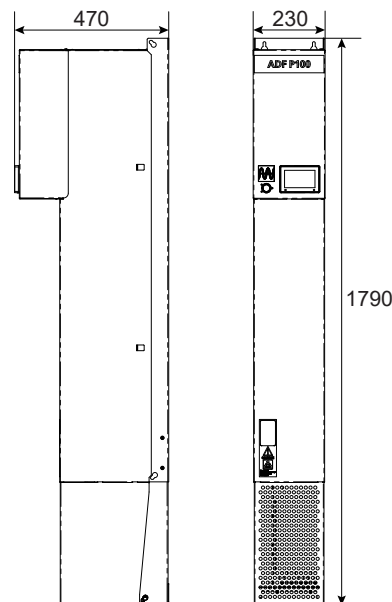
* Compensation power at 400 V / 480 V (600 V / 690 V) nominal voltage

** Option

Connection Diagram (example)



Dimensions (mm)



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