

ADF

P25, 30 A Active Dynamic Filter



- High Performance and Reliability
- Easy-to-use Web-User-Interface
- 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



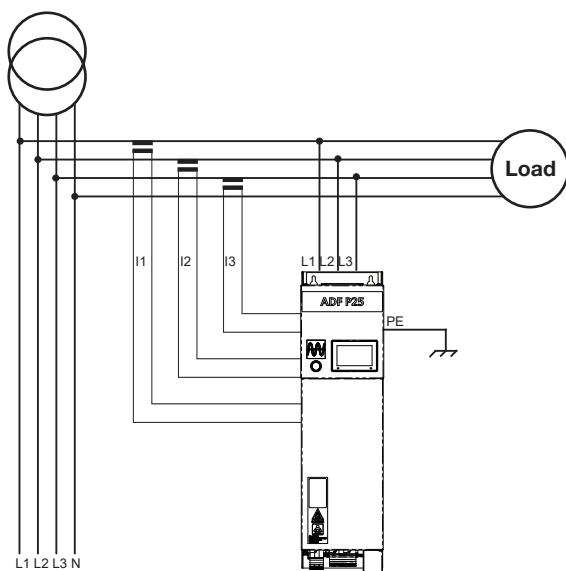
Technical Specifications

Model	ADF P25-30/480
Rated power	21 / 25 kVA*
Compensation current capacity at 50/60 Hz	30 A _{RMS}
System voltage	480 V (208 – 480 V) ± 10 %
Nominal frequency	45 - 65 Hz (including floating frequency)
Number of phases	3 phase 3 wire
Connection type	3 phase without neutral (TN, TT)
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 P25 units can be used in parallel**
Customer communication	Web-user-interface; Modbus TCP; Digital I/O
Response time	< 1 ms
Power dissipation	TBD
Maximum air flow requirement	400 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 810 x 311 mm (W x H x D)
Weight	38 kg
Enclosure color	RAL 5017 (traffic blue) RAL 7035 (light grey)
Protection class	IP20, IP21** according to IEC 60529, other ratings upon request
Environmental conditions	chemical 3C2, mechanical 3S2
Electromagnetic compatibility	IEC 61000-6-2 / IEC 61000-6-4
Certificates	CE

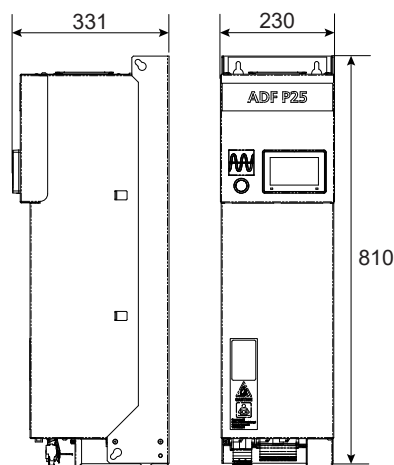
* Compensation power at 400 V / 480 V nominal voltage

** Option

Connection Diagram (example)



Dimensions (mm)



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