

ADF

P300, 90 – 330 A
UL/cUL Version
Active Dynamic Filter



- High Performance and Reliability
- Modular and Scalable Design 90 – 330 A
- 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 and 480 – 600 V versions



COMSYS
Creating Value through Power Quality™

Technical Specifications

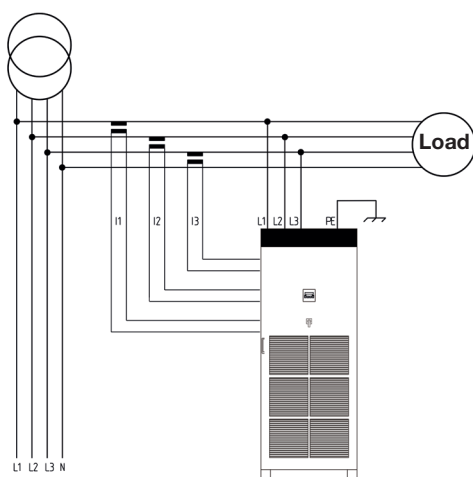
| Model | ADF P300-110/480-UL (ADF P300-90/600-UL) | ADF P300-220/480-UL (ADF P300-180/600-UL) | ADF P300-330/480-UL (ADF P300-270/600-UL) |
|---|--|--|--|
| Rated power * | 76 / 91 / 94 kVA | 152 / 183 / 187 kVA | 229 / 274 / 281 kVA |
| Compensation current capacity at 50/60 Hz | 110 A _{RMS} (90 A _{RMS}) | 220 A _{RMS} (180 A _{RMS}) | 330 A _{RMS} (270 A _{RMS}) |
| System voltage ** | 480 V (208 – 480 V), 600 V (480 – 600 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 P300 units can be used in parallel | | |
| Response time | < 1 ms | | |
| Power dissipation 480 V (600 V) | < 2480 W (< 2836 W) | < 4835 W (< 5547 W) | < 7190 W (< 8258 W) |
| Maximum air flow requirement | 600 m ³ /h | 1200 m ³ /h | 1800 m ³ /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 | 800 x 2155 x 610 mm (W x H x D) | | |
| Weight 480 V (600 V) | 335 kg (351 kg) | 472 kg (495 kg) | 609 kg (639 kg) |
| Cabinet color | cabinet RAL 7035 (gray), base RAL 7022 (dark gray) | | |
| Protection class | NEMA 1 | | |
| Environmental conditions | chemical 3C3, mechanical 3S3 | | |
| Electromagnetic compatibility | EN 61000-6-2, EN 61000-6-4 | | |
| Certificates | UL, cUL | | |
| Art no 480 V (600 V) | 400 083 (400 086) | 400 084 (400 087) | 400 085 (400 088) |

* Compensation power at 400 V / 480 V / 600 V nominal voltage

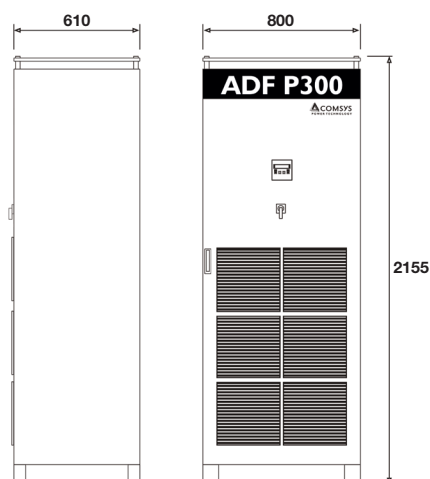
** Please state your system voltage and line frequency when ordering



Connection Diagram (example)



Dimensions (mm)



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