

# 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
- Non-overloadable
- Available in 208 – 480 V



**COMSYS**  
Creating Value through Power Quality™

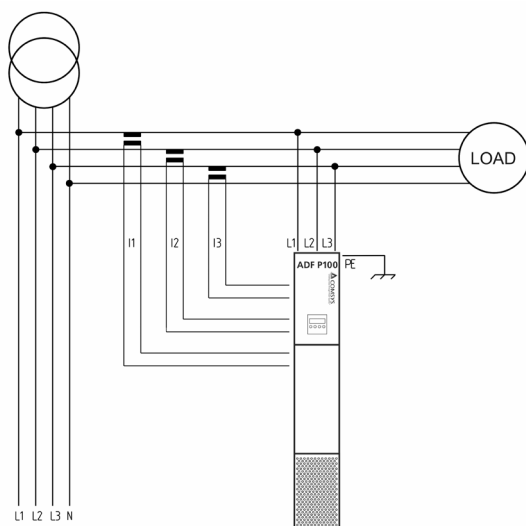
# Technical Specifications

Model	ADF P100-70/480	ADF P100-100/480	ADF P100-130/480
Rated power *	49 / 59 kVA	70 / 84 kVA	91 / 109 kVA
Compensation current capacity at 50/60 Hz	70 A <sub>RMS</sub>	100 A <sub>RMS</sub>	130 A <sub>RMS</sub>
System voltage **	480 V (208 – 480 V)		
Nominal frequency **	50/60 Hz ± 2 %		
Number of phases	3		
Connection type	3 phase without neutral (TN, TT, IT)		
Harmonic current compensated	individual compensation up to 49 <sup>th</sup> 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	< 1200 W	< 1800 W	< 2400 W
Maximum air flow requirement	600 m <sup>3</sup> /h		
Noise level	< 70 dB		
Environment	0 to 95 % RH non-condensing, max altitude 1000 m		
Operating temperature	0 to 40 °C, < 25 °C recommended		
Dimensions	230 x 1790 x 400 mm (W x H x D)		
Weight	120 kg		
Cabinet color	RAL 7035 (gray) RAL 5017 (blue)		
Protection class	IP20 according to IEC 529		
Environmental conditions	chemical 3C3, mechanical 3S3		
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4		
Certificates	CE		
Art no	400 080-CE 400 080-NA 400 080-AM	400 078-CE 400 078-NA 400 078-AM	400 081-CE 400 081-NA 400 081-AM

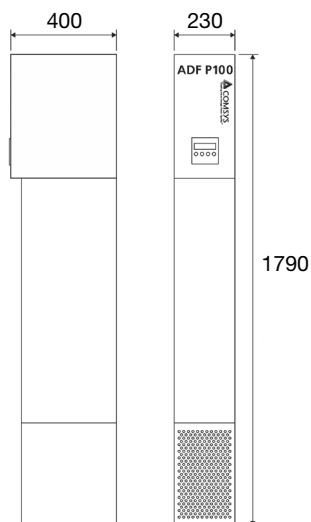
\* Compensation power at 400 V / 480 V nominal voltage

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

## Connection Diagram (example)



## Dimensions (in mm)



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