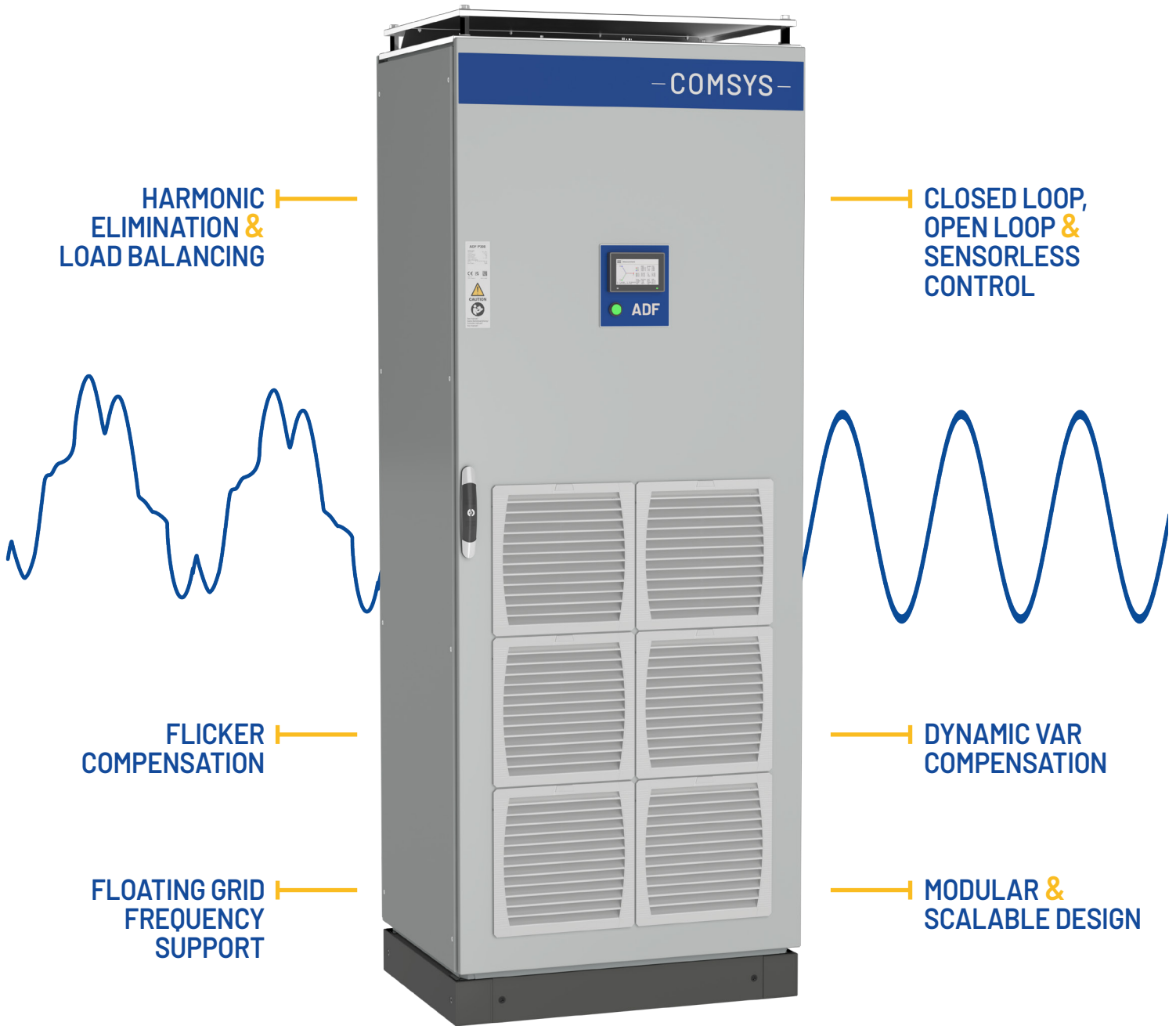


# ACTIVE DYNAMIC FILTER

## ADF P300 G3

OSHPD #OSP-0718 Approved



— COMSYS —

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# ADF P300-(110-330)/480 UL (PPM300v2)

MODEL	ADF P300-110/480	ADF P300-220/480	ADF P300-330/480
RATED CURRENT	110 A <sub>RMS</sub>	220 A <sub>RMS</sub>	330 A <sub>RMS</sub>
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, IT)		
HARMONIC COMPENSATION	Individual compensation up to 49th order		
RATE OF HARMONIC REDUCTION	Better than 98%		
COMPENSATION OF COS φ	Up to 1.0		
EXPANDABILITY	Up to 15 ADF P300 units can be used in parallel		
RESPONSE TIME	< 1 ms		
HEAT DISSIPATION	< 2480 W	< 4835 W	< 7190 W
AIR FLOW	600 m <sup>3</sup> /h / 353 CFM	1200 m <sup>3</sup> /h / 706 CFM	1800 m <sup>3</sup> /h / 1056 CFM
NOISE LEVEL	< 70 dB(A)		
TRANSPORTATION ENVIRONMENTAL CONDITIONS	Classes: 2K12/2B1/2C2/2S1/2M4 Temperature range: -25 °C to 70 °C [-13 °F to 158 °F] Relative humidity: 0-95 % RH, non-condensing		
OPERATION ENVIRONMENTAL CONDITIONS	Classes: 3K22/3Z1/3B1/3S5/3M11 Temperature range: 0 to 50 °C, up to 40 °C [32 to 122 °F, up to 104 °F] without derating Relative humidity: 0-95 % RH, non-condensing		
STORAGE ENVIRONMENTAL CONDITIONS	Classes: 1K22/1Z1/1B1/1C2/1S11/1M11 Temperature range: -25 °C to 70 °C [-13 °F to 158 °F] Relative humidity: 0-95 % RH, non-condensing		
DIMENSIONS (W × H × D)	405 × 2170 × 636 mm 15.9 × 85.4 × 25 inch	605 × 2170 × 636 mm 23.8 × 85.4 × 25 inch	805 × 2170 × 636 mm 31.7 × 85.4 × 25 inch
WEIGHT	335 kg / 739 lbs	472 kg / 1041 lbs	609 kg / 1343 lbs
ENCLOSURE COLOR	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)		
ENCLOSURE PROTECTION	NEMA Type 2*		
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1		
APPROVALS	UL, cUL (UL508/CSA22.2)		

\*Type 2 = Type 1 with addition of drip and light splash protection

Comsys AB does not assume any responsibility for use of any product or method described and also reserves the right to make changes at any time without prior notice in order to improve design and supply the best possible products.

# ADF P300-(90-270)/600 UL (PPM300v2)

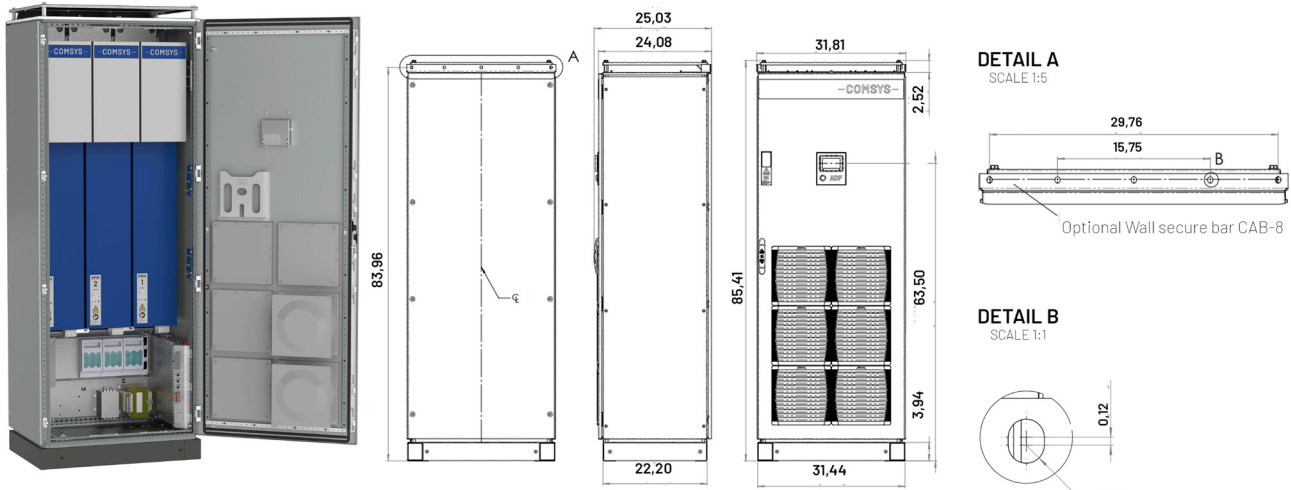
MODEL	ADF P300-90/600	ADF P300-180/600	ADF P300-270/600
RATED CURRENT	90 A <sub>RMS</sub>	180 A <sub>RMS</sub>	270 A <sub>RMS</sub>
SYSTEM VOLTAGE	600 V (480 - 600 V) ± 10 %		
NOMINAL FREQUENCY	45 - 65 Hz (Including floating frequency)		
NUMBER OF PHASES	3 phase 3 wire		
CONNECTION TYPE	3 phase without neutral (TN, TT, IT)		
HARMONIC COMPENSATION	Individual compensation up to 49th order		
RATE OF HARMONIC REDUCTION	Better than 98%		
COMPENSATION OF COS φ	Up to 1.0		
EXPANDABILITY	Up to 15 ADF P300 units can be used in parallel		
RESPONSE TIME	< 1 ms		
HEAT DISSIPATION	< 2836 W	< 5547 W	< 8258 W
AIR FLOW	600 m <sup>3</sup> /h / 353 CFM	1200 m <sup>3</sup> /h / 706 CFM	1800 m <sup>3</sup> /h / 1056 CFM
NOISE LEVEL	< 70 dB(A)		
TRANSPORTATION ENVIRONMENTAL CONDITIONS	Classes: 2K12/2B1/2C2/2S1/2M4 Temperature range: -25 °C to 70 °C [-13 °F to 158 °F] Relative humidity: 0-95 % RH, non-condensing		
OPERATION ENVIRONMENTAL CONDITIONS	Classes: 3K22/3Z1/3B1/3S5/3M11 Temperature range: 0 to 50 °C, up to 40 °C [32 to 122 °F, up to 104 °F] without derating Relative humidity: 0-95 % RH, non-condensing		
STORAGE ENVIRONMENTAL CONDITIONS	Classes: 1K22/1Z1/1B1/1C2/1S11/1M11 Temperature range: -25 °C to 70 °C [-13 °F to 158 °F] Relative humidity: 0-95 % RH, non-condensing		
DIMENSIONS (W × H × D)	805 × 2170 × 636 mm 31.7 × 85.4 × 25 inch		
WEIGHT	363 kg / 800 lbs	501 kg / 1104 lbs	639 kg / 1409 lbs
ENCLOSURE COLOR	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)		
ENCLOSURE PROTECTION	NEMA Type 2		
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1		
APPROVALS	UL, cUL (UL508/CSA22.2)		

\*Type 2 = Type 1 with addition of drip and light splash protection

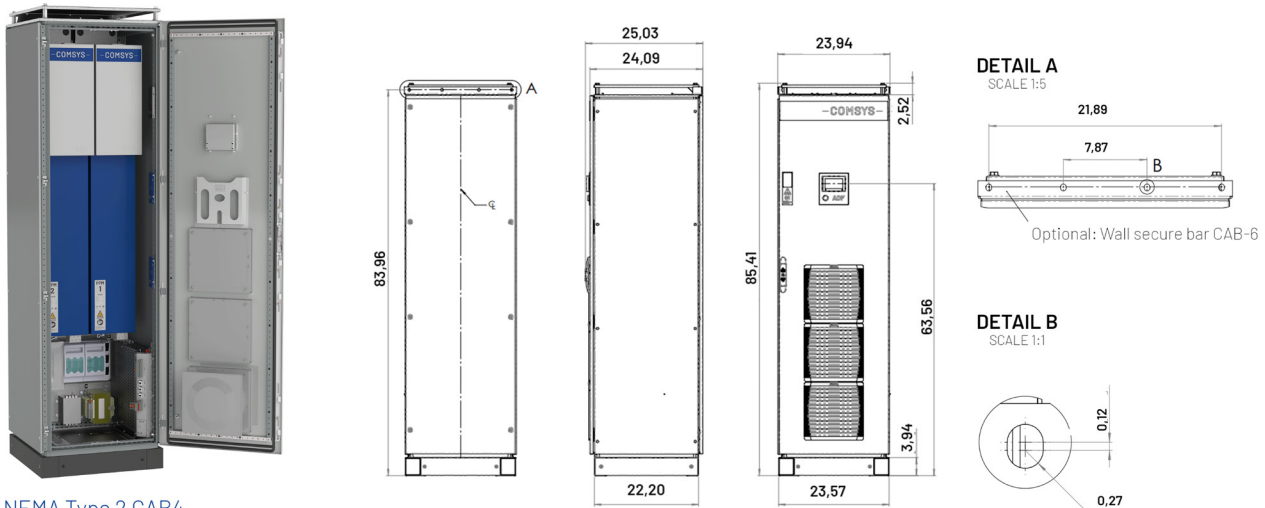
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# DIMENSIONS

NEMA Type 2 CAB8



NEMA Type 2 CAB6



NEMA Type 2 CAB4

