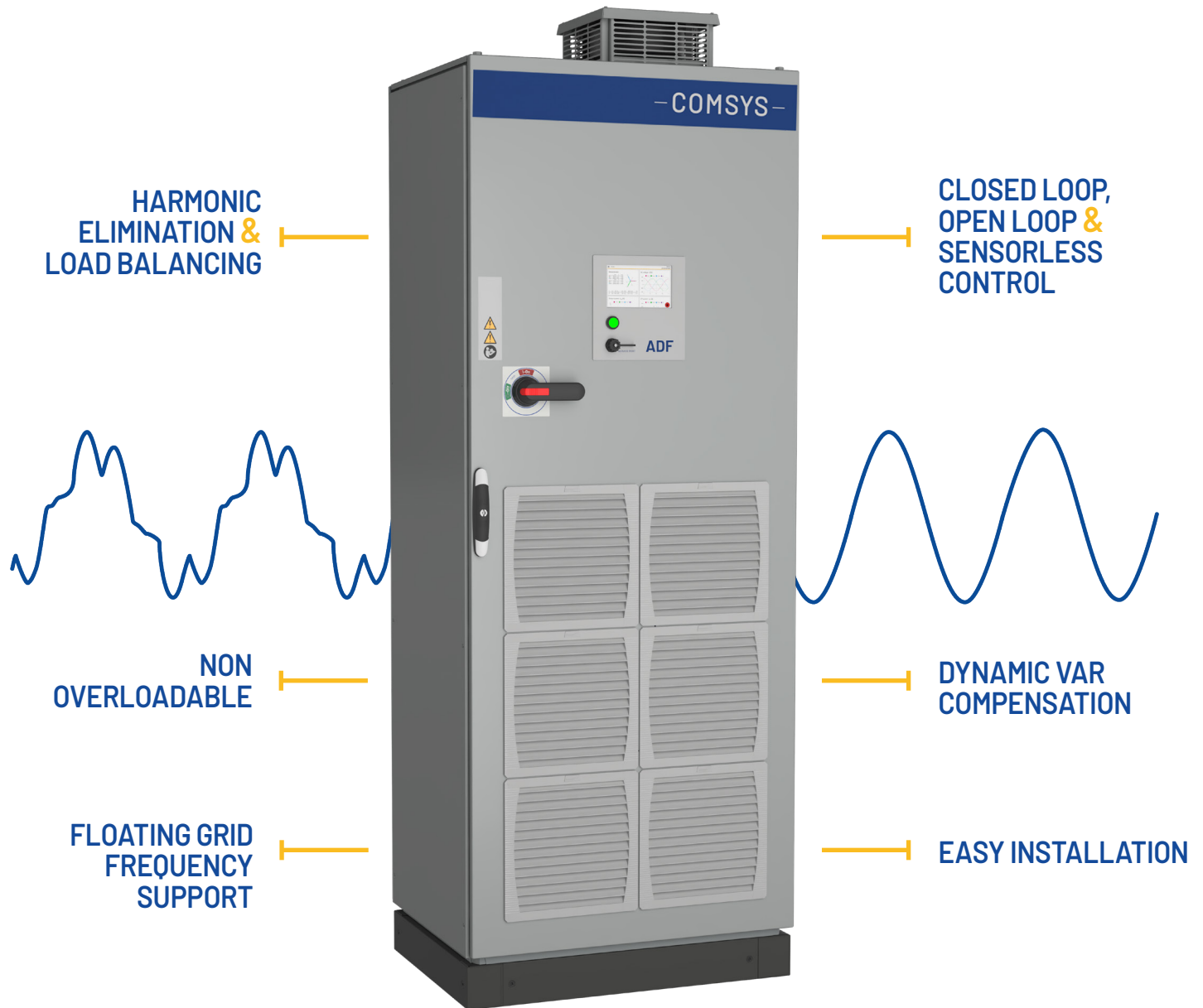


ACTIVE DYNAMIC FILTER

ADF P300 G4 UL

480 V: 125, 250, 375 A

600 V: 90, 180, 270 A



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TECHNICAL SPECIFICATION (480 V)

MODEL	ADF P300-125/480	ADF P300-250/480	ADF P300-375/480
RATED POWER (400 / 480 V)	87 / 104 kVA	173 / 208 kVA	260 / 312 kVA
RATED CURRENT	125 A _{RMS}	250 A _{RMS}	375 A _{RMS}
SYSTEM VOLTAGE	480 V (208 – 480 V) ± 10 %		
NOMINAL FREQUENCY	50/60 Hz ± 10 % (Including floating frequency)		
NUMBER OF PHASES	3 phase 3 wire		
NETWORK CONFIGURATION	TN, TT (Without earthed phase)		
CABLE ENTRY	Top/Bottom		
DISCONNECT TYPE	Molded Case Circuit Breaker		
SHORT-CIRCUIT CURRENT RATING	100 kA		
HARMONIC COMPENSATION	Individual compensation up to 49 th 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	≤ 3350 W	≤ 6650 W	≤ 9950 W
AIR FLOW	600 m³/h [353 CFM]	1200 m³/h [706 cfm]	1800 m³/h [1056 cfm]
NOISE LEVEL	< 70 dB(A)		
DIMENSIONS (W × H × D) WITH NEMA 2	607 x 2169 x 656 mm [23.9 x 85.37 x 25.84 inch]	807 x 2169 x 656 mm [31.76 x 85.37 x 25.84 inch]	1007 x 2169 x 656 mm [39.64 x 85.37 x 25.84 inch]
DIMENSIONS (W × H × D) WITH NEMA 12	607 x 2261 x 656 mm [23.9 x 89.03 x 25.84 inch]	807 x 2261 x 656 mm [31.76 x 89.03 x 25.84 inch]	1007 x 2261 x 656 mm [39.64 x 89.03 x 25.84 inch]
DIMENSIONS (W × H × D) WITH NEMA 3R	607 x 2261 x 689 mm [23.9 x 89.03 x 27.14 inch]	807 x 2261 x 689 mm [31.76 x 89.03 x 27.14 inch]	1007 x 2261 x 689 mm [39.64 x 89.03 x 27.14 inch]
WEIGHT WITH NEMA 2	300 kg [661 lbs]	432 kg [952 lbs]	569 kg [1254 lbs]
WEIGHT WITH NEMA 12	310 kg [683 lbs]	442 kg [974 lbs]	579 kg [1276 lbs]
WEIGHT WITH NEMA 3R	330 kg [727 lbs]	462 kg [1019 lbs]	599 kg [1321 lbs]
ENCLOSURE COLOR (NEMA 250)	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)		
ENCLOSURE PROTECTION	NEMA Type 2, 12 or 3R		
OPERATING ENVIRONMENTAL CONDITIONS	Ambient temperature: 0 to 50 °C, up to 40 °C [32 to 122 °F, up to 104 °F] without derating Relative humidity: 0 to 95% RH non-condensing Altitude: 1000 m [3281 ft] without derating. Max altitude 4000 m [13123 ft]		
POLLUTION DEGREE	2 (IEC 62477-1)		
OVERVOLTAGE CATEGORY	III (IEC 62477-1)		
VIBRATION	2 – 13 Hz ± 1 mm 13.2 – 100 Hz ± 0.7 g ₀ (IEC 60068-2-6, Fc Sinusoidal)		
SEISMIC COMPLIANCE	TBA		
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4 Conducted emission EN 55011 class A		
APPROVALS	UL (UL508A/CSA22.2)		

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.

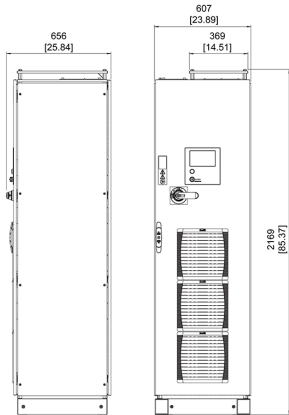
TECHNICAL SPECIFICATION (600 V)

MODEL	ADF P300-90/600	ADF P300-180/600	ADF P300-270/600
RATED POWER (600 V)	94 kVA	187 kVA	281 kVA
RATED CURRENT	90 A _{RMS}	180 A _{RMS}	270 A _{RMS}
SYSTEM VOLTAGE	600 V (480 - 600 V) ± 10 %		
NOMINAL FREQUENCY	50/60 Hz ± 10 % (Including floating frequency)		
NUMBER OF PHASES	3 phase 3 wire		
NETWORK CONFIGURATION	TN, TT (Without earthed phase)		
CABLE ENTRY	Top/Bottom		
DISCONNECT TYPE	Molded Case Circuit Breaker		
SHORT-CIRCUIT CURRENT RATING	100 kA		
HARMONIC COMPENSATION	Individual compensation up to 49 th 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 ³ /h [353 CFM]	1200 m ³ /h [706 CFM]	1800 m ³ /h [1056 CFM]
NOISE LEVEL	< 70 dB(A)		
DIMENSIONS (W × H × D) WITH NEMA 2	607 x 2169 x 656 mm [23.9 x 85.37 x 25.84 inch]	807 x 2169 x 656 mm [31.76 x 85.37 x 25.84 inch]	1007 x 2169 x 656 mm [39.64 x 85.37 x 25.84 inch]
DIMENSIONS (W × H × D) WITH NEMA 12	607 x 2261 x 656 mm [23.9 x 89.03 x 25.84 inch]	807 x 2261 x 656 mm [31.76 x 89.03 x 25.84 inch]	1007 x 2261 x 656 mm [39.64 x 89.03 x 25.84 inch]
DIMENSIONS (W × H × D) WITH NEMA 3R	607 x 2261 x 689 mm [23.9 x 89.03 x 27.14 inch]	807 x 2261 x 689 mm [31.76 x 89.03 x 27.14 inch]	1007 x 2261 x 689 mm [39.64 x 89.03 x 27.14 inch]
WEIGHT WITH NEMA 2	330 kg [727 lbs]	483 kg [1065 lbs]	640 kg [1410 lbs]
WEIGHT WITH NEMA 12	340 kg [750 lbs]	493 kg [1086 lbs]	650 kg [1433 lbs]
WEIGHT WITH NEMA 3R	360 kg [794 lbs]	513 kg [1131 lbs]	670 kg [1477 lbs]
ENCLOSURE COLOR (NEMA 250)	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)		
ENCLOSURE PROTECTION	NEMA Type 2, 12 or 3R		
OPERATING ENVIRONMENTAL CONDITIONS	Ambient temperature: 0 to 50 °C, up to 40 °C [32 to 122 °F, up to 104 °F] without derating Relative humidity: 0 to 95% RH non-condensing Altitude: 1000 m [3281 ft] without derating. Max altitude 4000 m [13123 ft]		
POLLUTION DEGREE	2 (IEC 62477-1)		
OVERVOLTAGE CATEGORY	III (IEC 62477-1)		
VIBRATION	2 - 13 Hz ± 1 mm 13.2 - 100 Hz ± 0.7 g ₀ (IEC 60068-2-6, Fc Sinusoidal)		
SEISMIC COMPLIANCE	TBA		
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4 Conducted emission EN 55011 class A		
APPROVALS	UL (UL508A/CSA22.2)		

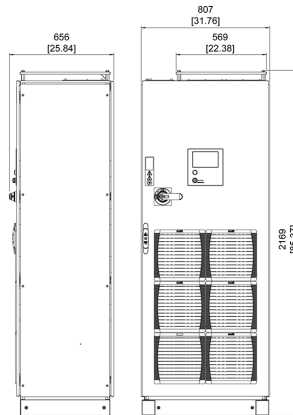
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DIMENSIONS (NEMA TYPE 2)

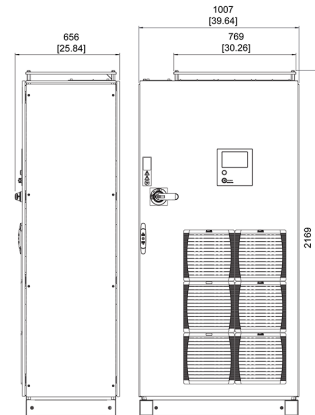
CAB 6



CAB 8

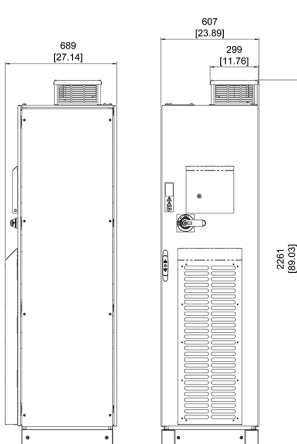


CAB 10

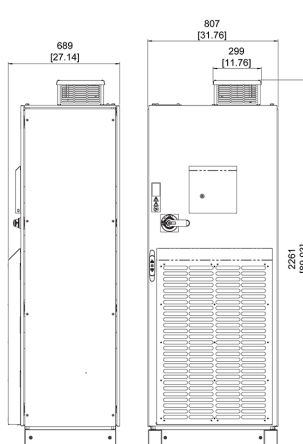


DIMENSIONS (NEMA TYPE 3R)

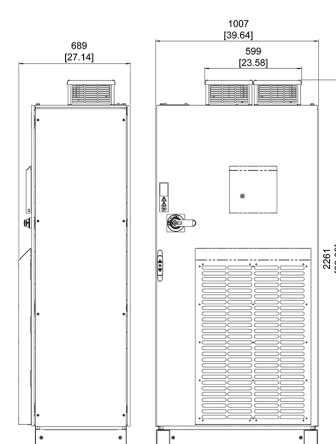
CAB 6



CAB 8

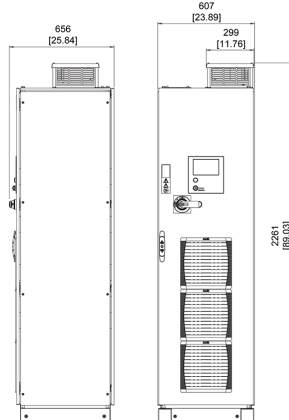


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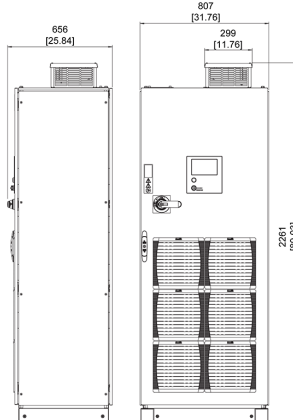


DIMENSIONS (NEMA TYPE 12)

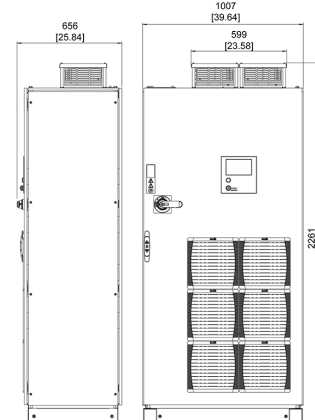
CAB 6



CAB 8



CAB 10



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