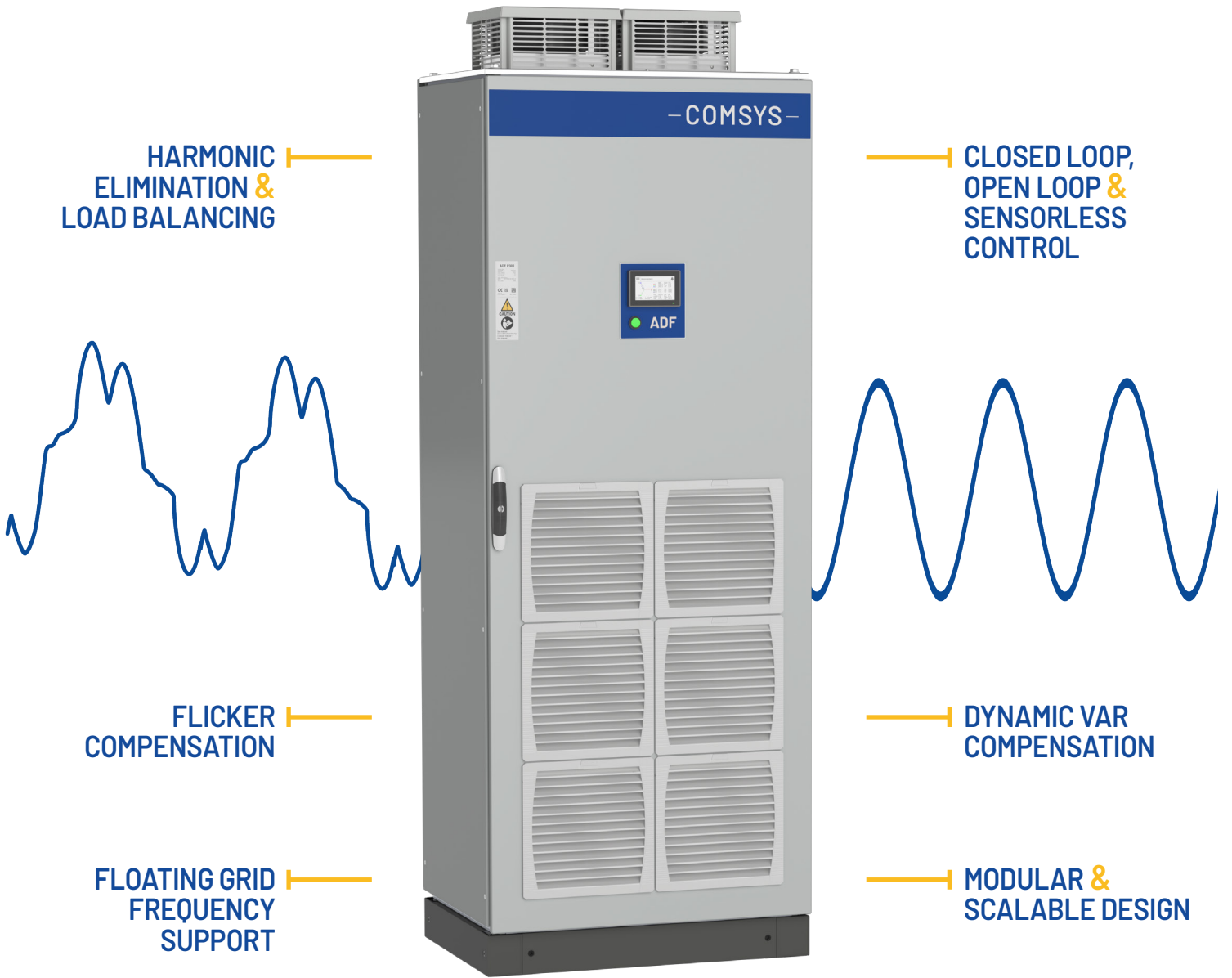


ACTIVE DYNAMIC FILTER ADF P300 G3



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ADF P300-(50-125)/480 (PPM300v4)

MODEL	ADF P300-50/480	ADF P300-75/480	ADF P300-100/480	ADF P300-125/480
RATED CURRENT	50 A _{RMS}	75 A _{RMS}	100 A _{RMS}	125 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, IT)			
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	< 920 W	< 1380 W	< 1840 W	< 2290 W
AIR FLOW	600 m ³ /h / 353 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)[IP 54]	405 × 2203 × 636 mm [15.95 x 86.73 x 25.03 inch]			
WEIGHT [IP 54]	340 kg / 750 lbs			
ENCLOSURE COLOR	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)			
ENCLOSURE PROTECTION (IEC 60529)	IP32, IP43, and IP54			
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1			
APPROVALS	CE, DNV			

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ADF P300-(200-375)/480 (PPM300v4)

MODEL	ADF P300-200/480	ADF P300-250/480	ADF P300-300/480	ADF P300-375/480
RATED CURRENT	200 A _{RMS}	250 A _{RMS}	300 A _{RMS}	375 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, 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	< 4580 W		< 6870 W	
AIR FLOW	1200 m ³ /h / 706 CFM		1800 m ³ /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)[IP 54]	605 x 2259 x 636 mm [23.82 x 88.92 x 25.03 inch]		805 x 2259 x 636 mm [31.69 x 88.92 x 25.03 inch]	
WEIGHT [IP 54]	482 kg / 1062 lbs		629 kg / 1386 lbs	
ENCLOSURE COLOR	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)			
ENCLOSURE PROTECTION (IEC 60529)	IP32, IP43, and IP54			
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1			
APPROVALS	CE, DNV			

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ADF P300-(90-270)/690 (PPM300v2)

MODEL	ADF P300-90/690	ADF P300-180/690	ADF P300-270/690
RATED CURRENT	90 A _{RMS}	180 A _{RMS}	270 A _{RMS}
SYSTEM VOLTAGE	690 V (480-690 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	< 2969 W	< 5813 W	< 8657 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)		
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) [IP 32]	805 x 2170 x 636 mm [31.69 x 85.41 x 25.03 inch]		
WEIGHT [IP 32]	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 (IEC 60529)	IP32 and IP43		
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1		
APPROVALS	CE, DNV ,LR		

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ADF P300-(150-450)/480 (PPM300v2B)

MODEL	ADF P300-150/480	ADF P300-300/480	ADF P300-450/480
RATED CURRENT	150 A _{RMS}	300 A _{RMS}	450 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, 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	< 3225 W	< 6250 W	< 7925 W
AIR FLOW	800 m ³ /h / 470 CFM	1600 m ³ /h / 941 CFM	2400 m ³ /h / 1413 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)[IP 54]	405 × 2203 × 636 mm [15.95 × 86.73 × 25.03 inch]	605 × 2259 × 636 mm [23.82 × 88.92 × 25.03 inch]	805 × 2259 × 636 mm [31.69 × 88.92 × 25.03 inch]
WEIGHT [IP 54]	351 kg / 774 lbs	504 kg / 1111 lbs	657 kg / 1448 lbs
ENCLOSURE COLOR	Cabinet RAL 7035 (light grey), base RAL 7022 (umbra grey)		
ENCLOSURE PROTECTION	IP54		
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1		
APPROVALS	CE, DNV, LR		

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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 _{RMS}	220 A _{RMS}	330 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, 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 ³ /h / 353 CFM	1200 m ³ /h / 706 CFM	1800 m ³ /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)		

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

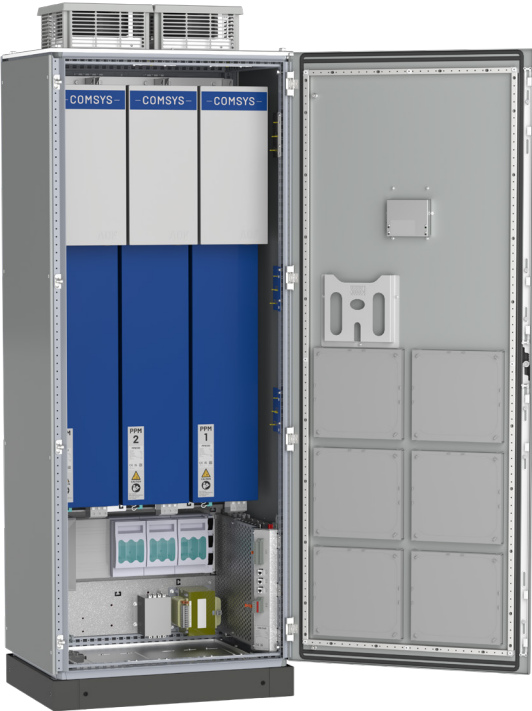
MODEL	ADF P300-90/600	ADF P300-180/600	ADF P300-270/600
RATED CURRENT	90 A _{RMS}	180 A _{RMS}	270 A _{RMS}
SYSTEM VOLTAGE	600 V (480 - 600 V) ± 10 %		
NOMINAL FREQUENCY	45 - 65 Hz (Including floating frequency)		
NUMBER OF PHASES	3 phase 3 wire		
CONNECTION TYPE	3 phase without neutral (TN, TT, IT)		
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 ³ /h / 353 CFM	1200 m ³ /h / 706 CFM	1800 m ³ /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 x 85.4 x 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)		

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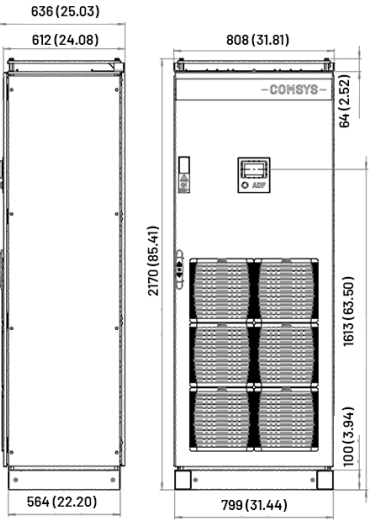
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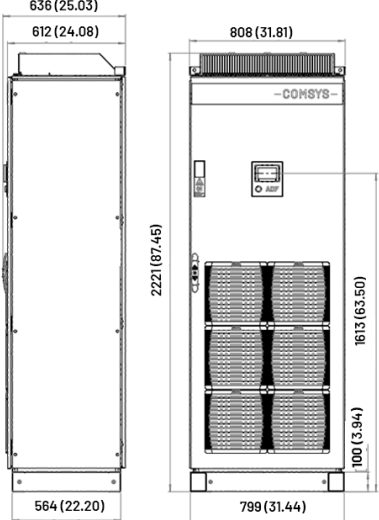
DIMENSIONS



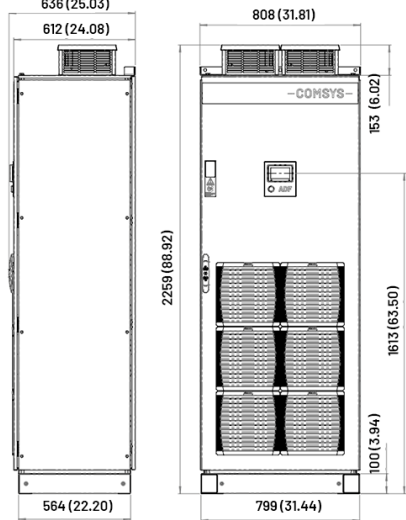
mm (inches) IP32/NemaType 2 cabinet



mm (inches) IP43 cabinet



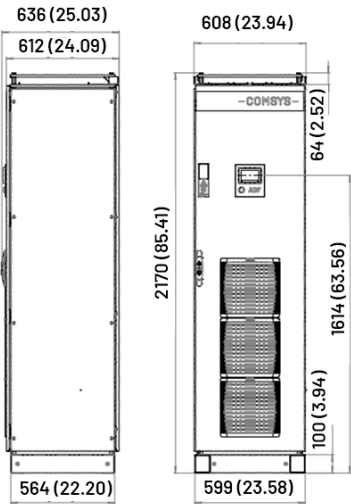
mm (inches) IP54 cabinet



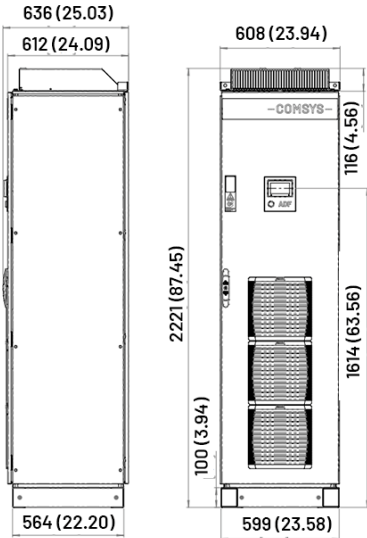
DIMENSIONS



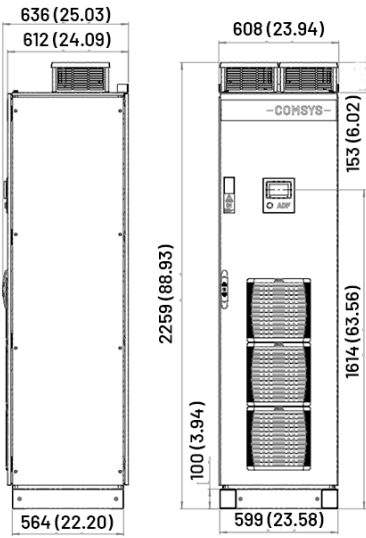
mm (inches) NemaType 2 CAB6



mm (inches) IP43 cabinet



mm (inches) IP54 cabinet*



*drawing is showing ADF P300 G3 based on PPM300v2B

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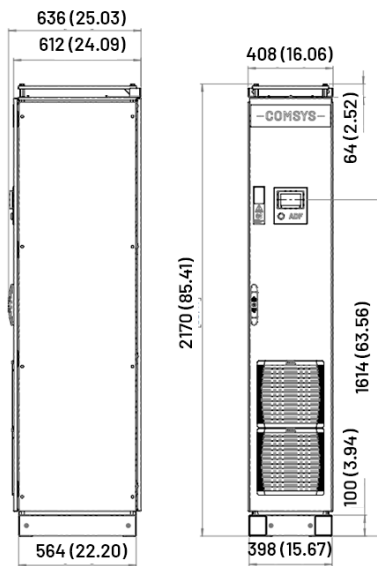
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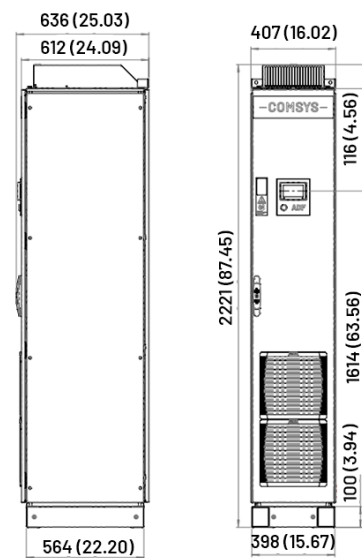
DIMENSIONS



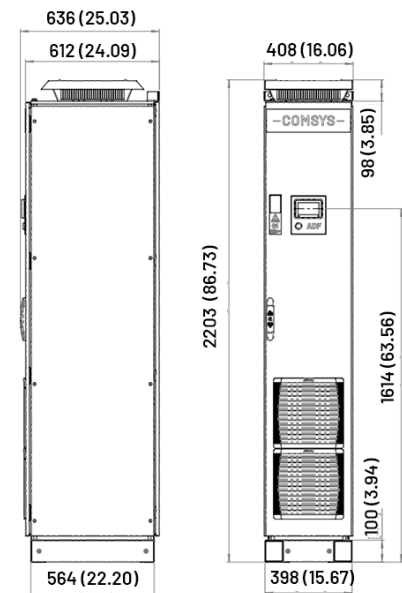
mm (inches) IP32/NemaType 2 cabinet



mm (inches) IP43 cabinet



mm (inches) IP54 cabinet



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