

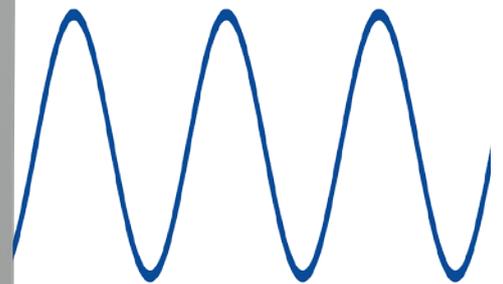
ACTIVE DYNAMIC FILTER ADF P300 G4



HARMONIC
ELIMINATION &
LOAD BALANCING



CLOSED LOOP,
OPEN LOOP &
SENSORLESS
CONTROL



FLICKER
COMPENSATION

DYNAMIC VAR
COMPENSATION

FLOATING GRID
FREQUENCY
SUPPORT

MODULAR &
SCALABLE DESIGN

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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 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	< 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: 1K22/1Z1/1B1/1C2/1S1/1M11 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 A			
APPROVALS	CE, DNV			

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.

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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 A			
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 A		
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 A		
APPROVALS	CE, DNV, LR		

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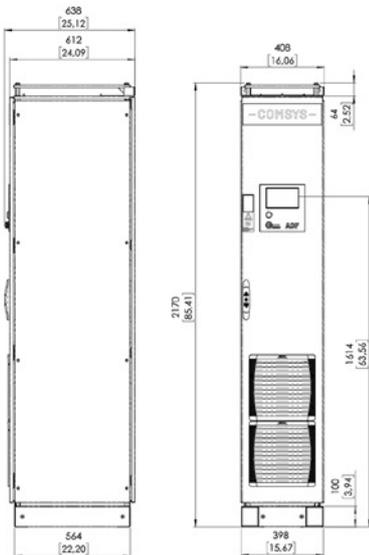


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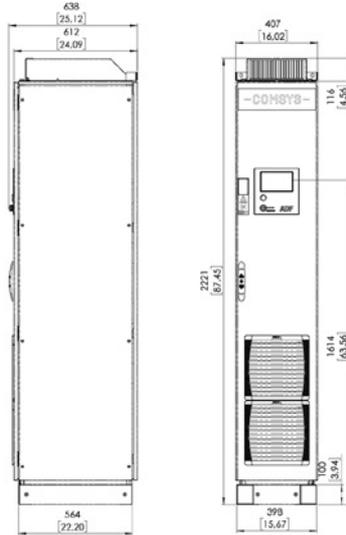
DIMENSIONS



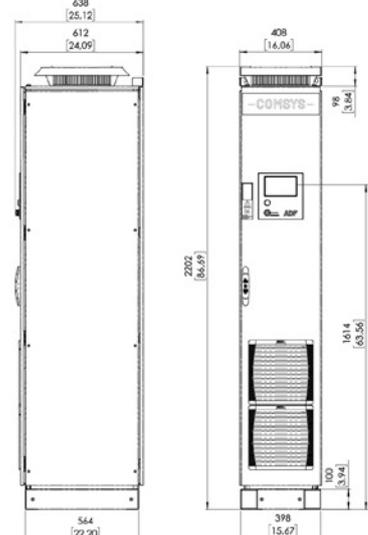
mm [inches] IP 32 cabinet



mm [inches] IP 43 cabinet



mm [inches] IP 54 cabinet



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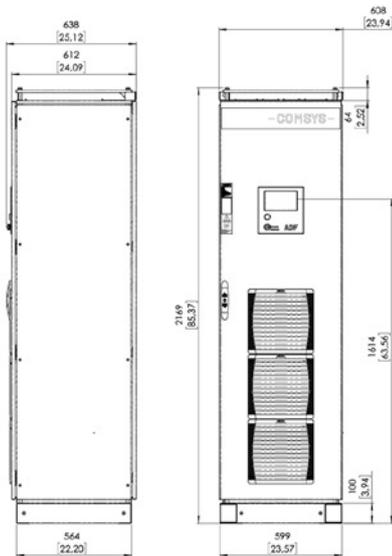


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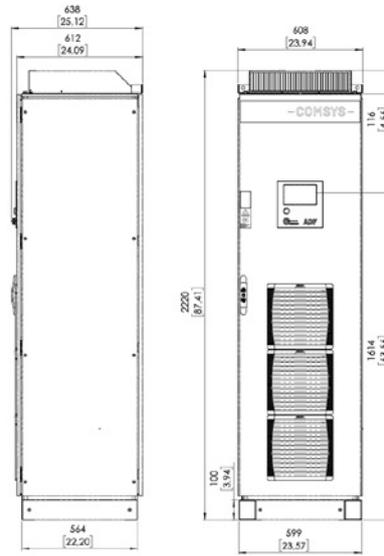
DIMENSIONS



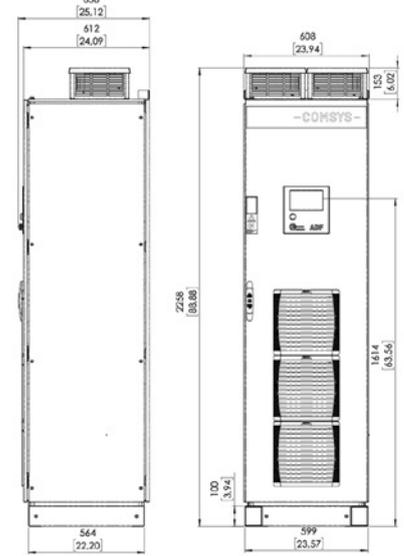
mm [inches] IP 32 cabinet



mm [inches] IP 43 cabinet



mm [inches] IP 54 cabinet



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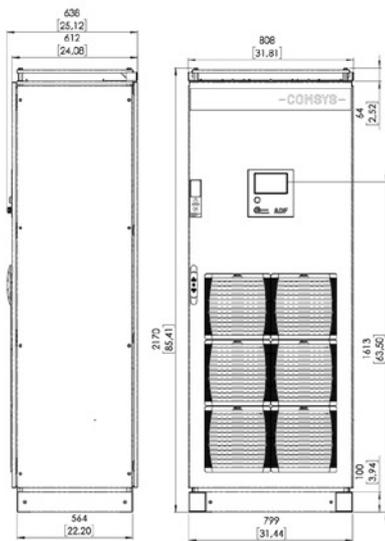


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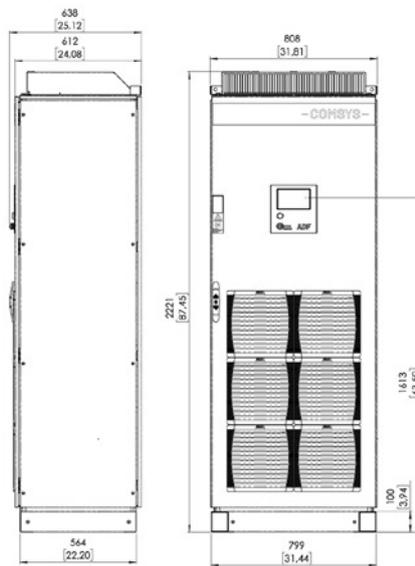
DIMENSIONS



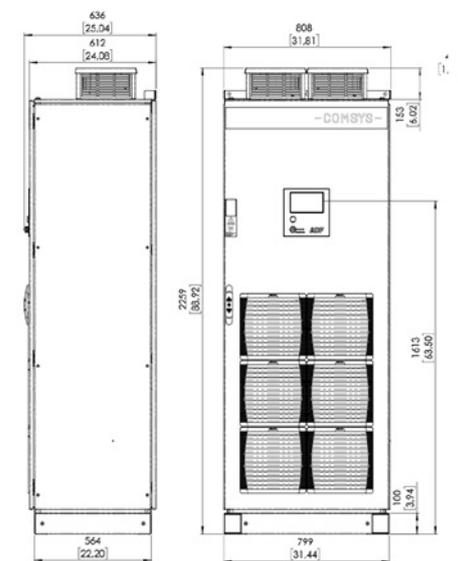
mm [inches] IP 32 cabinet



mm [inches] IP 43 cabinet



mm [inches] IP 54 cabinet



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