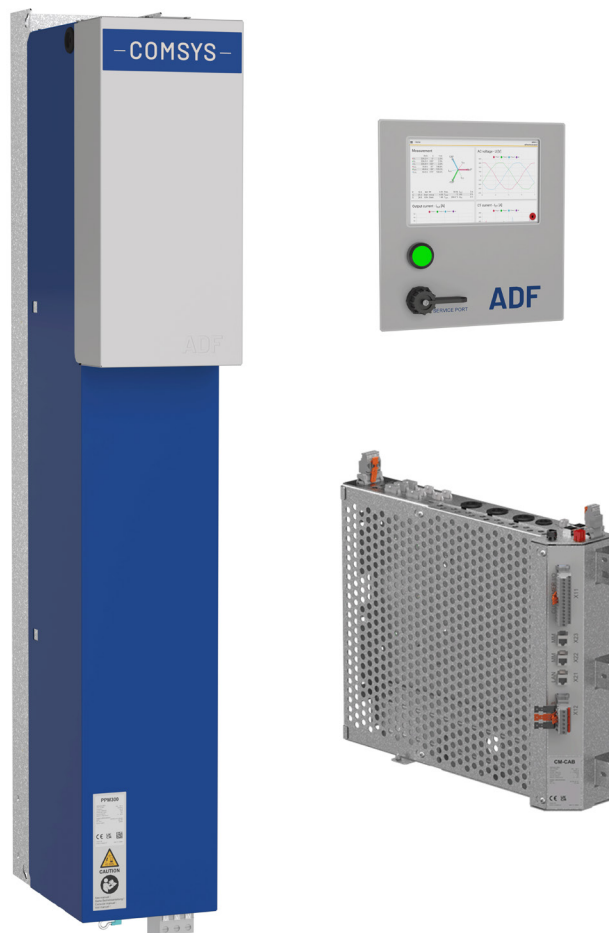


ACTIVE DYNAMIC FILTER SYSTEM INTEGRATION



WITH SYSTEM INTEGRATION, YOU GET:

1

A more compact solution than standalone products.

2

Leading ADF Technology integrated into your existing products.

3

Fast and simple commissioning with the ADF WUI Dashboard

4

Access to the ADF System Integration Program training with ADF Academy

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ADF PPM300-(90-140)/690 (PPM300v2)

MODEL	PPM300v2-3-A-90/690	PPM300v2-3-W-140/690
RATED CURRENT	90 A _{RMS}	140 A _{RMS}
SYSTEM VOLTAGE	690 V (480 - 690 V) ± 10 %	690 V (208 - 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 three modules can be controlled by one SCC2-P3 or one CM-CAB 3B Up to six modules can be controlled by one SCC2-P6 Cluster of several SCC2 units can work in parallel for up to ninety modules	
RESPONSE TIME	< 1 ms	
HEAT DISSIPATION	< 2969 W	< 3600 W
COOLING MEDIA	Air	Liquid
WATER FLOW REQUIREMENTS		ΔP = 100 kPa [14.5 psi] at 14 l/min [3.7 gpm] ΔP = 60 kPa [8.7 psi] at 10 l/min [2.6 gpm] 1000 kPa [145 psi] design pressure Recommended media flow: 10 l/min [2.6 gpm] at 45° C [113° F] 100% water
COOLING CIRCUIT		Aluminum, Stainless steel and EPDM rubber
AIR FLOW	600 m ³ /h / 353 CFM	
NOISE LEVEL	< 70 dB(A)	
DIMENSIONS (W × H × D)	232.5 x 1445 x 471.5 mm [9.15 x 56.89 x 18.56 inch]	232.5 x 1462 x 471.5 mm [9.15 x 57.56 x 18.56 inch]
WEIGHT	138 kg / 304 lbs	
ENCLOSURE COLOR	RAL 7035 (light grey), RAL 5017 (traffic blue)	
ENCLOSURE PROTECTION (IEC 60529)	IP20	
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 PPM300-150/480 (PPM300v2B)

MODEL	PPM300v2B-3-A-150/480
RATED CURRENT	150 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 CURRENT COMPENSATED	Individual compensation up to 49th order
RATE OF HARMONIC REDUCTION	Better than 98%
COMPENSATION OF COS φ	Up to 1.0
EXPANDABILITY	Up to three modules can be controlled by one SCC2-P3 or one CM-CAB 3B Up to six modules can be controlled by one SCC2-P6 Cluster of several SCC2 units can work in parallel for up to ninety modules
RESPONSE TIME	< 1ms
HEAT DISSIPATION	< 3100 W
AIR FLOW	800 m ³ /h / 470 CFM
COOLING MEDIA	Air
NOISE LEVEL	< 70 dB(A)
DIMENSIONS (W×H×D)	232.5 × 1445 × 471.5 mm 9.15 x 56.89 x 18.56 inch
WEIGHT	104 kg / 229 lbs
ENCLOSURE COLOR	RAL 7035 (light grey), RAL 5017 (traffic blue)
PROTECTION CLASS	IP20
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
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
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 PPM300-(50-125)/480 (PPM300v4)

MODEL	PPM300v4-3-A-50/480	PPM300v4-3-A-75/480	PPM300v4-3-A-100/480	PPM300v4-3-A-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 CURRENT COMPENSATED	Individual compensation up to 49th order			
RATE OF HARMONIC REDUCTION	Better than 98%			
COMPENSATION OF COS φ	Up to 1.0			
EXPANDABILITY	Up to three modules can be controlled by one SCC2-P3 or one CM-CAB 3B Up to six modules can be controlled by one SCC2-P6 Cluster of several SCC2 units can work in parallel for up to ninety modules			
RESPONSE TIME	< 1 ms			
HEAT DISSIPATION	< 750 W	< 1210 W	< 1670 W	< 2120 W
COOLING MEDIA	Air			
AIR FLOW	600 m ³ /h / 353 CFM			
NOISE LEVEL	< 70 dB(A)			
DIMENSIONS (W × H × D)	232.5 x 1445 x 431,5 mm [9.15 x 56.89 x 16,99 inch]			
WEIGHT	108 kg / 238 lbs			
ENCLOSURE COLOR	RAL 7035 (light grey), RAL 5017 (traffic blue)			
PROTECTION CLASS	IP20			
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			
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			
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 PPM300-110/480, 90/600 (PPM300v2 UL)

MODEL	PPM300v2-3-A-110/480 UL	PPM300v2-3-A-90/600 UL
RATED CURRENT	110 A _{RMS}	90 A _{RMS}
SYSTEM VOLTAGE	480 V (208 - 480 V) ± 10 %	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 three modules can be controlled by one SCC2-P3 or one CM-CAB 3B Up to six modules can be controlled by one SCC2-P6 Cluster of several SCC2 units can work in parallel for up to ninety modules	
RESPONSE TIME	< 1 ms	
HEAT DISSIPATION	< 2725 W	< 2969 W
AIR FLOW	600 m ³ /h / 353 CFM	
NOISE LEVEL	< 70 dB(A)	
DIMENSIONS (W × H × D)	232.5 x 1445 x 471.5 mm [9.15 x 56.89 x 18.56 inch]	
WEIGHT	133 kg / 293 lbs	138 kg / 304 lbs
ENCLOSURE COLOR	RAL 7035 (light grey), RAL 5017 (traffic blue)	
ENCLOSURE PROTECTION (IEC 60529)	NEMA Type 1	
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	
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	
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1	
APPROVALS	UL508/csa22.2	

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HMI 3-B, HMI 3-E, HMI 4

MODEL	HMI3-B	HMI3-E	HMI4
CURRENT CONSUMPTION	60 mA at 24 V _{DC}	100 mA at 24 V _{DC}	300 mA at 24 V _{DC}
DIMENSIONS (W×H×D)	160 x 76 x 37.2 mm (6.29 x 2.99 x 1.45 inch)	160 x 176 x 55.3 mm (6.29 x 6.93 x 2.18 inch)	243 x 237 x 58.2 mm (9.57 x 9.33 x 2.29 inch)
ENCLOSURE COLOR	NCS S 1500-N (light grey)		
AMBIENT TEMPERATURE	0-70°C	0-70°C	0-70°C
ELECTROMAGNETIC COMPATIBILITY*	EN 61000-6-2 EN 61000-6-4 Conducted emission EN 55011 class A1	EN 61000-6-2 EN 61000-6-4 Conducted emission EN 55011 class A1	EN 61000-6-2 EN 61000-6-4 Conducted emission EN 55011 class A1
APPROVALS	CE, UKCA	CE, UKCA	CE, UKCA
DISPLAY	NONE	4.3"	7"
FRONT PROTECTION CLASS (IEC 60529 / NEMA 250)	IP54/Type12	IP54/Type12	IP54/Type12
BACK PROTECTION CLASS (IEC 60529 / NEMA 250)	IP20/Type1	IP20/Type1	IP20/Type1
SYSTEM VOLTAGE	24 V _{DC}	24 V _{DC}	24 V _{DC}
PPM300 AND CM-CAB COMPATIBILITY	PPM300 v2(B) and v4 CM-CAB 3(B)	PPM300 v2(B) and v4 CM-CAB 3(B)	PPM300 v2(B) and v4 CM-CAB 4(B)



*Only applicable when used in a ADF P300 G3

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CM-CAB 3(B), CM-CAB 4(B)

MODEL	CM-CAB 3(B), CM-CAB 4(B)
DIMENSIONS (W×H×D)	539 X 472.1 X 153.1 mm (21.22 x 18.59 x 6.03 inch)
WEIGHT	TN/TT compatible: 9 kg [19.84 lbs] IT compatible: 11 kg [24.25 lbs]
AMBIENT TEMPERATURE	0 - 70°C
RELATIVE HUMIDITY	0-95 % RH, non-condensing
ALTITUDE	1000 m [3281 ft] without derating
POLLUTION DEGREE (IEC 62477-1)	2
OVERVOLTAGE CATEGORY (IEC 62477-1)	III
ELECTROMAGNETIC COMPATIBILITY*	EN 61000-6-2 EN 61000-6-4 Conducted emission EN 55011 class A1
ENCLOSER PROTECTION (IEC 60529 / NEMA 250)	IP20 / Type 1
NOMINAL FREQUENCY	50/60 Hz
SYSTEM VOLTAGE	208 - 690 V
APPROVALS	CE, UKCA
CAPACITY	One to three PPM300 modules



*Only applicable when used in a ADF P300 G3

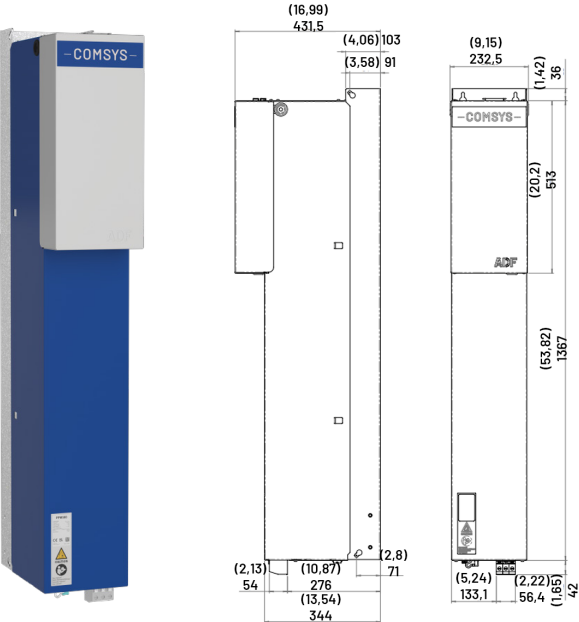
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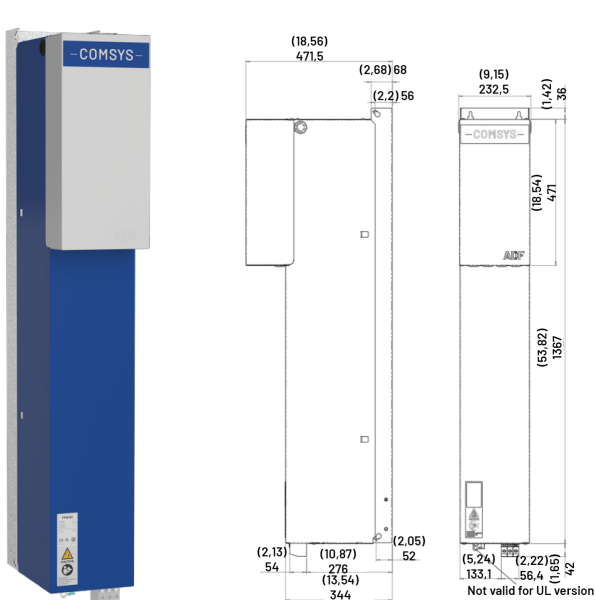


DIMENSIONS

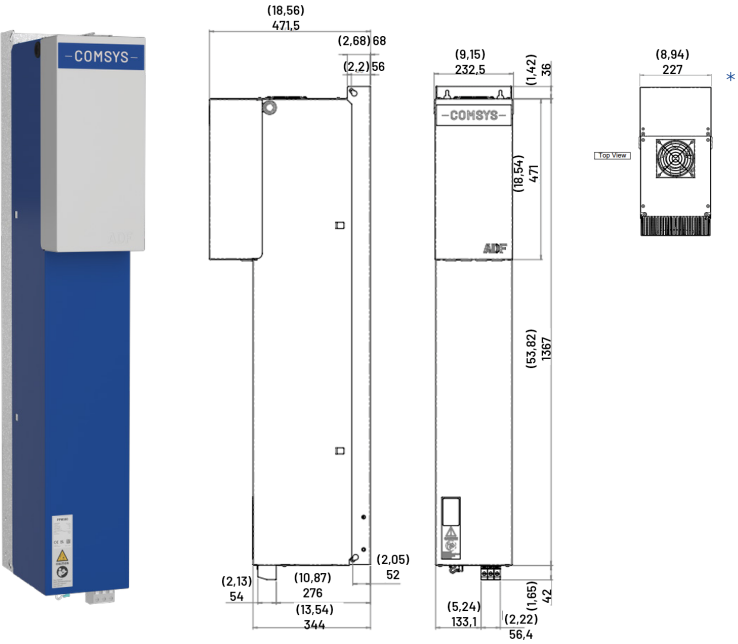
mm (inches) - ADF PPM300v4



mm (inches) - ADF PPM300v2



mm (inches) - ADF PPM300v2B



*Top fans only in the 150A version

