

# ACTIVE DYNAMIC FILTER

## ADF P200

440 V CE: 120 A

HARMONIC  
ELIMINATION

SENSORLESS  
CONTROL

RESONANCE  
ELIMINATION

HIGH FREQUENCY  
COMPENSATION

FASTEST  
RESPONSE TIME IN  
THE MARKET

EASY INSTALLATION



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# TECHNICAL SPECIFICATION ADF P200

<b>MODEL</b>	<b>ADF P200-120/440</b>
COMPENSATION CURRENT CAPACITY AT 50/60 HZ	120 A <sub>RMS</sub>
SYSTEM VOLTAGE	208 – 440 V
NOMINAL FREQUENCY	50/60 Hz ± 2%
NUMBER OF PHASES	3 phase 3 wire
CONNECTION TYPE	3 phase without neutral (TN, TT, IT)
HARMONIC CURRENT COMPENSATED	Curve-selectable harmonics, interharmonics compensation up to 5 kHz (100th order)
RATE OF HARMONIC REDUCTION	Better than 97%
CURRENT COMPENSATION OF COS φ	Up to 1.0
EXPANDABILITY	ADF P200 units can be used in parallel
RESPONSE TIME	< 20 μs
HEAT DISSIPATION	< 1200 W
MAXIMUM AIR FLOW	< 600 m <sup>3</sup> /h / 353 CFM
NOISE LEVEL	< 70 dB(A)
ENVIRONMENT	0 to 95% RH non-condensing, max. altitude 1000 m / 3281 ft. without derating
OPERATING TEMPERATURE	0 to 50° C, up to 40° C without derating 32 to 122 °F, up to 104 °F without derating
DIMENSIONS (W × H × D)	230 × 1400 × 470 mm 9 x 25.4 x 18.5 inch
WEIGHT	90 kg / 198 lbs
CABINET COLOR	Cabinet RAL 7035 (light grey), base RAL 5017 (traffic blue)
PROTECTION CLASS	IP20, IP21 according to IEC 60529, other ratings upon request
ELECTROMAGNETIC COMPATIBILITY	EN 61000-6-2, EN 61000-6-4. Conducted emission EN 55011 class A1
ENVIRONMENTAL CONDITIONS	Chemical 3C3, Mechanical 3S3
CERTIFICATES	CE

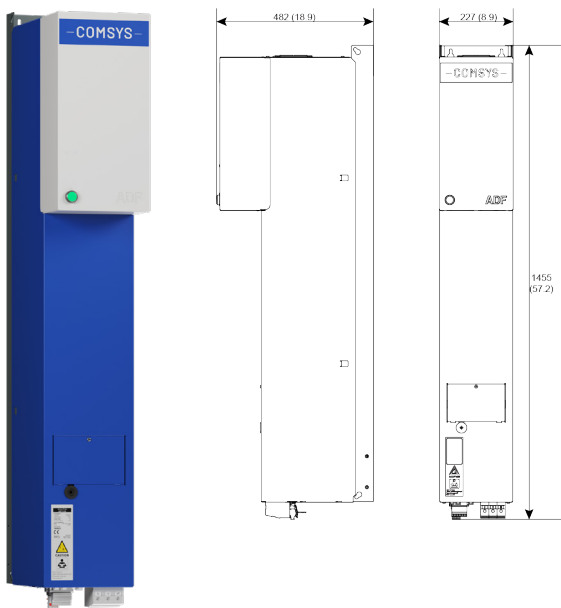
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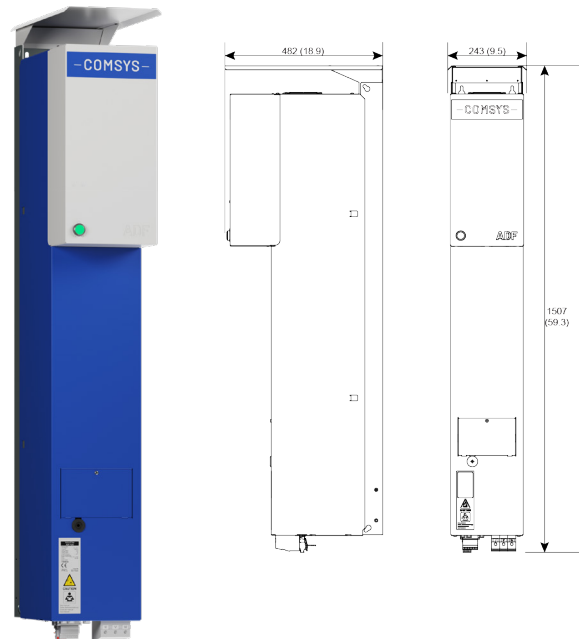


# DIMENSIONS & CONNECTION

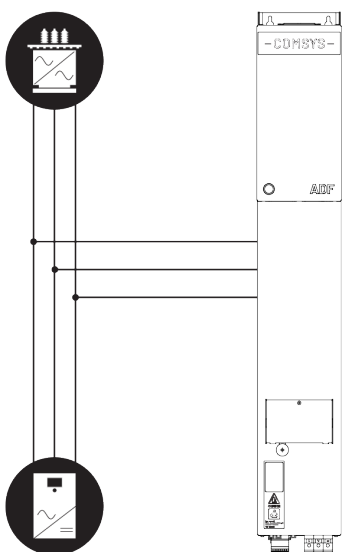
mm (inches) IP20



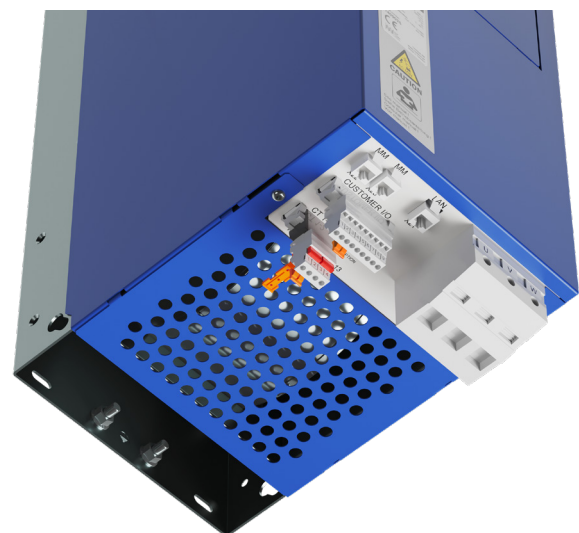
mm (inches) IP21



Example connection diagram



Customer interface



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# THE ADF PRODUCT RANGE

The ADF product range consists of versatile tools to address your unique power quality challenges in a way that is cost efficient.

For extreme resonances and interharmonics, to a powerful solution for a compact space, each ADF product targets different power levels in commercial and industrial applications in the low and medium voltage segments.



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