

ACTIVE DYNAMIC FILTER

ADF P200

440 V CE: 120 A

HARMONIC
ELIMINATION

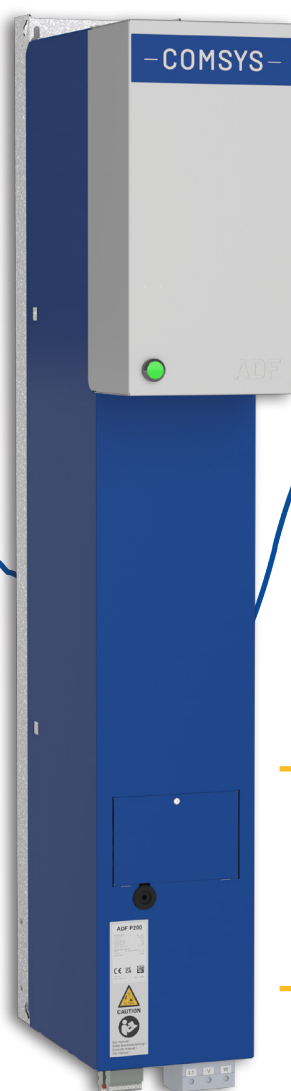
SENSORLESS
CONTROL

RESONANCE
ELIMINATION

HIGH FREQUENCY
COMPENSATION

FASTEST
RESPONSE TIME IN
THE MARKET

EASY INSTALLATION



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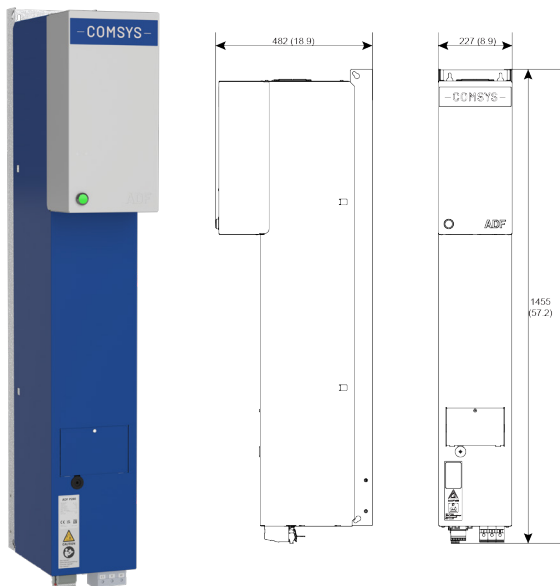
TECHNICAL SPECIFICATION ADF P200

MODEL	ADF P200-120/440
COMPENSATION CURRENT CAPACITY AT 50/60 HZ	120 A _{RMS}
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 ³ /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

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.

DIMENSIONS & CONNECTION

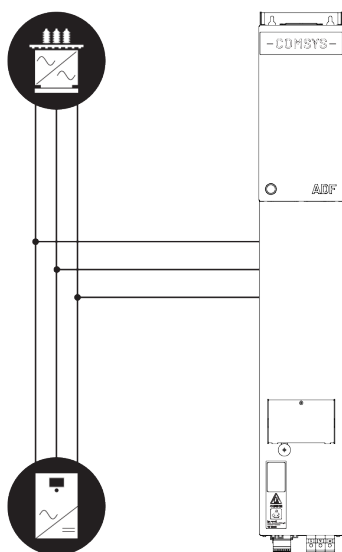
mm (inches) IP20



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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