

Product datasheet

Specifications



passive filter - 225 A - 400 V - 50 Hz - for variable speed drive

VW3A46114

⚠ Discontinued on: 30 Sept 2023

Price: 265,367.27 ZAR

⚠ Discontinued

Main

Product or component type	Passive filter
Product specific application	Reduction of current harmonics

Complementary

Range compatibility	Altivar Process ATV600 Altivar Process ATV900 Altivar 71 Altivar 61
[Us] rated supply voltage	400 V +/- 10 %
power supply frequency	50 Hz +/- 2 %
Quantity per drive	1 filter per drive for variable speed drive ATV61H motor: 132 kW/200 hp 1 filter per drive for variable speed drive ATV71H motor: 132 kW/200 hp 1 filter per drive for variable speed drive ATV61Q motor: 132 kW/200 hp 1 filter per drive for variable speed drive ATV630 wall mount, motor: 110 kW/150 hp 1 filter per drive for variable speed drive ATV930 wall mount, motor: 110 kW/150 hp
[In] rated current	217 A for input 225 A for output
Network number of phases	3 phases
THDI	10 % for variable speed drive ATV61H motor: 132 kW/200 hp 10 % for variable speed drive ATV71H motor: 132 kW/200 hp 10 % for variable speed drive ATV61Q motor: 132 kW/200 hp 10 % for variable speed drive ATV630 motor: 110 kW/150 hp 10 % for variable speed drive ATV930 motor: 110 kW/150 hp
Max current	1.5 x nominal current (duration = 60 s)
Efficiency	98 %
Thermal losses	864 W
Cos phi	1 (150 % of line current) 0.85 (75 % of line current) 0.99 (100 % of line current)
Electrical connection	A, B terminal, connection capacity: 2.5 mm² X1-1...X2-3 terminal, connection capacity: 25...300 mm²
Electrical insulation class	Class F
Net weight	119 kg

Environment

IP degree of protection	IP20 IP55 (enclosure mounting)
Vibration resistance	2 mm peak to peak (f= 5...13.2 Hz) conforming to IEC 60068-2-6 0.7 gn (f= 13.2...150 Hz) conforming to IEC 60068-2-6

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Relative humidity	5...85 % without condensation
Ambient air temperature for operation	45...60 °C (with current derating 3 % per °C) 5...45 °C (without current derating)
Ambient air temperature for storage	-25...55 °C storage in original packaging -25...65 °C during transport
Operating altitude	<= 1000 m without current derating > 1000...4000 m with current derating 5 % per 1000 m
Standards	IEC 61000-2-4 IEC 61000-3-12 IEC 61000-2-2 G5/4 engineering recommendation IEC 61000-3-2 IEC 61000-3-4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	45 cm
Package 1 Width	42 cm
Package 1 Length	90 cm
Package 1 Weight	145 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

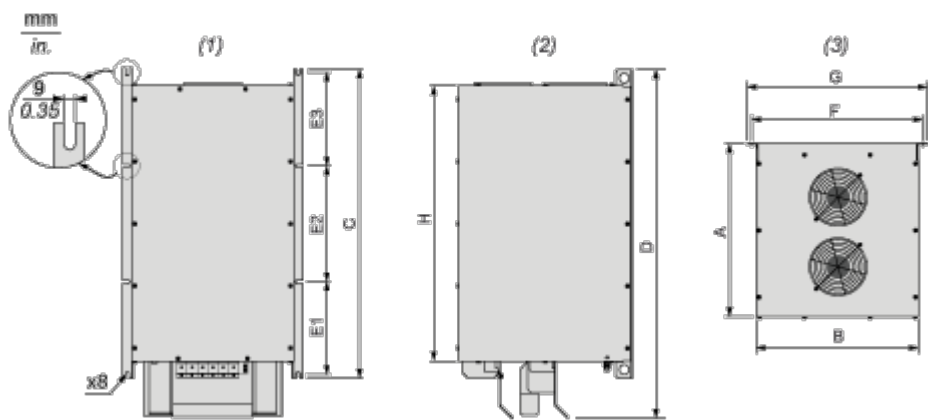
Materials and Substances	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Dimensions



- (1) Front view
- (2) Right side view
- (3) Top view

Dimensions in mm

A	B	C	D	E1	E2	E3	F	G	H
448.5	420	800	900.06	240	300	240	443	468	713

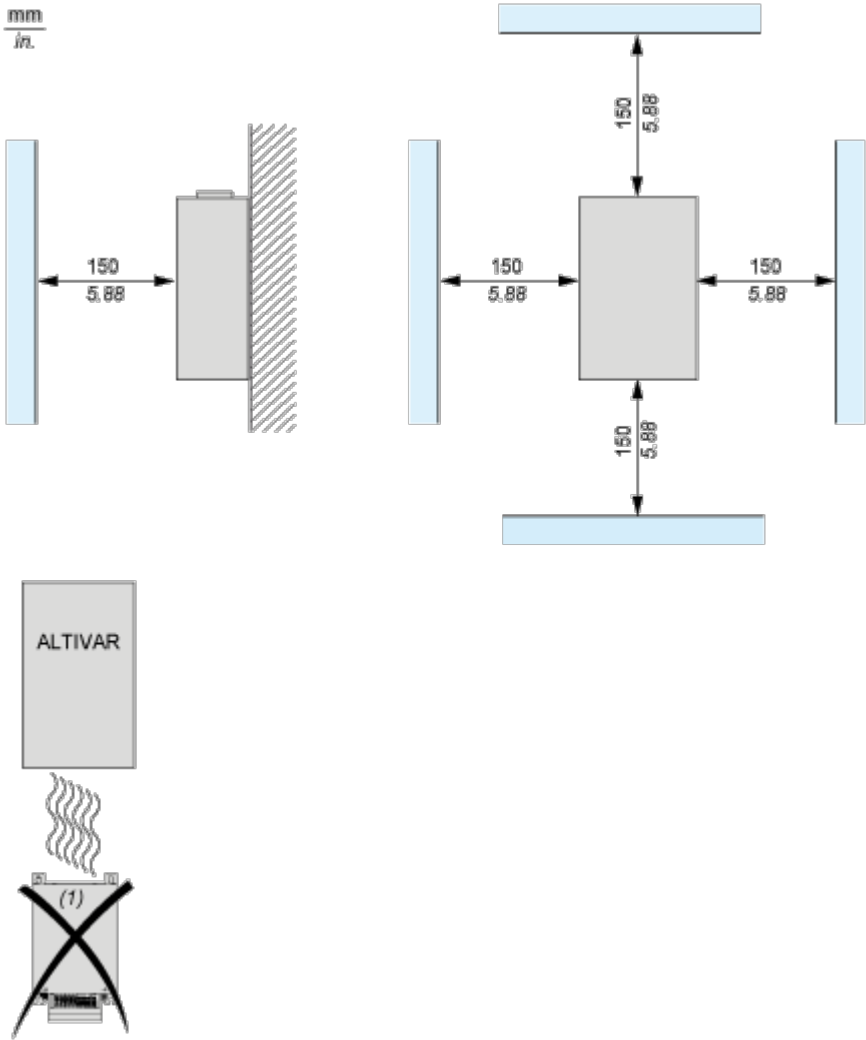
Dimensions in in.

A	B	C	D	E1	E2	E3	F	G	H
17.66	16.54	31.50	35.43	9.45	11.81	9.45	17.44	18.43	28.07

Mounting and Clearance

Mounting Recommendations

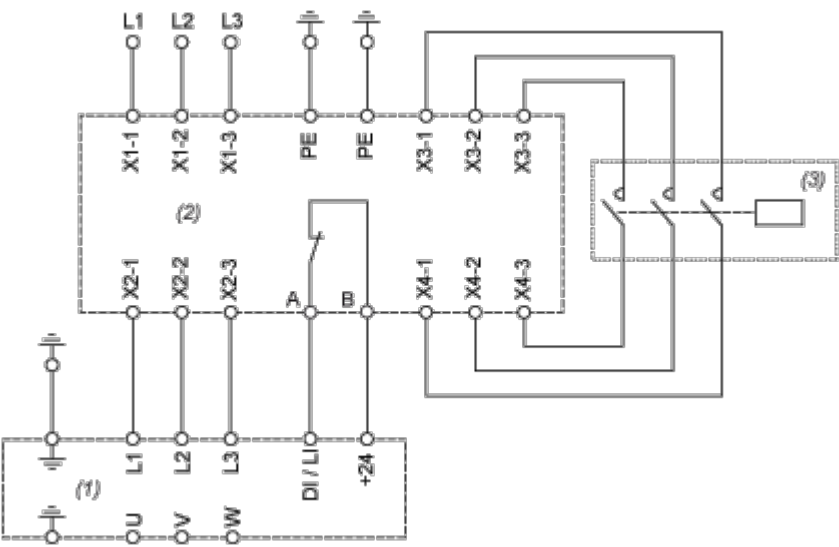
Vertical Mounting Only



(1) Filter

Connections and Schema

Recommended Schema



- (1) Drive
- (2) Filter
- (3) Optional