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# Product datasheet

Specifications



## passive filter - 45 A - 400 V - 50 Hz - for variable speed drive

VW3A46107

**EAN Code: 3606480639982**

## Main

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

## Complementary

| | |
|---|---|
| **Range compatibility** | Altivar Process ATV600<br>Altivar 71<br>Altivar Process ATV900<br>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 ATV61W motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV61H motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV71H motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV71W motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV650 wall mount, motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV630 wall mount, motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV950 wall mount, motor: 22 kW/30 hp<br>1 filter per drive for variable speed drive ATV930 wall mount, motor: 22 kW/30 hp |
| **[In] rated current** | 43 A for input<br>45 A for output |
| **Network number of phases** | 3 phases |
| **THDI** | 10 % for variable speed drive ATV61W motor: 22 kW/30 hp<br>16 % for variable speed drive ATV61H motor: 22 kW/30 hp<br>16 % for variable speed drive ATV71H motor: 22 kW/30 hp<br>16 % for variable speed drive ATV71W motor: 22 kW/30 hp<br>10 % for variable speed drive ATV650 motor: 22 kW/30 hp<br>10 % for variable speed drive ATV630 motor: 22 kW/30 hp<br>10 % for variable speed drive ATV950 motor: 22 kW/30 hp<br>10 % for variable speed drive ATV930 motor: 22 kW/30 hp |
| **Max current** | 1.5 x nominal current (duration = 60 s) |
| **Efficiency** | 98 % |
| **Thermal losses** | 274 W |
| **Cos phi** | 1 (150 % of line current)<br>0.85 (75 % of line current)<br>0.99 (100 % of line current) |
| **Electrical connection** | A, B terminal, connection capacity: 2.5 mm²<br>X1-1...X2-3 terminal, connection capacity: 1.5...25 mm² |
| **Electrical insulation class** | Class F |
| **Net weight** | 39 kg |

## Environment

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

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| | |
|---|---|
| **IP degree of protection** | IP20<br>IP55 (enclosure mounting) |
| **Vibration resistance** | 2 mm peak to peak (f= 5…13.2 Hz) conforming to IEC 60068-2-6<br>0.7 gn (f= 13.2…150 Hz) conforming to IEC 60068-2-6 |
| **Relative humidity** | 5…85 % without condensation |
| **Ambient air temperature for operation** | 45…60 °C (with current derating 3 % per °C)<br>5…45 °C (without current derating) |
| **Ambient air temperature for storage** | -25…55 °C storage in original packaging<br>-25…65 °C during transport |
| **Operating altitude** | <= 1000 m without current derating<br>> 1000...4000 m with current derating 5 % per 1000 m |
| **Standards** | IEC 61000-2-4<br>IEC 61000-3-4<br>G5/4 engineering recommendation<br>IEC 61000-3-12<br>IEC 61000-2-2<br>IEC 61000-3-2 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 61.000 cm |
| **Package 1 Width** | 60.000 cm |
| **Package 1 Length** | 80.000 cm |
| **Package 1 Weight** | 60.500 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

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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

| | |
|---|---|
| Packaging made with recycled cardboard | **No** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | **Pro-active compliance (Product out of EU RoHS legal scope)** |
| REACh Regulation | **REACh Declaration** |

### Use Again

#### Repack and remanufacture

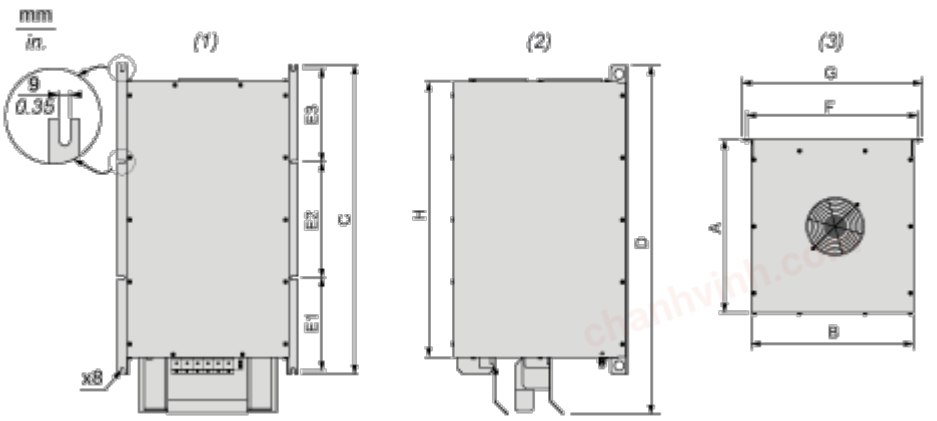
| | |
|---|---|
| Take-back | **No** |

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# Product datasheet VW3A46107

## 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 |
|---|---|---|---|---|---|---|---|---|---|
| 242 | 330 | 547 | 594.08 | 145 | 233 | 145 | 353 | 378 | 460 |

Dimensions in in.

| A | B | C | D | E1 | E2 | E3 | F | G | H |
|---|---|---|---|---|---|---|---|---|---|
| 9.53 | 12.99 | 21.54 | 23.39 | 5.71 | 9.17 | 5.71 | 13.90 | 14.88 | 18.11 |

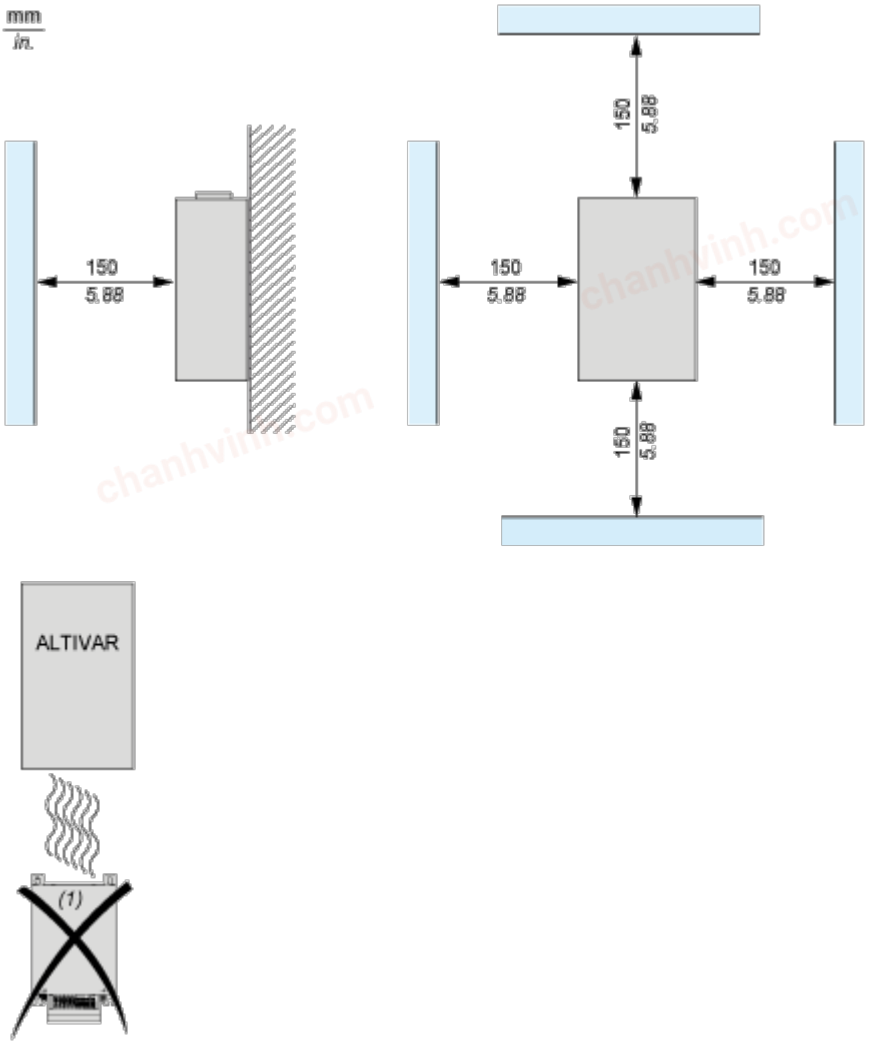
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## Mounting and Clearance

### Mounting Recommendations

#### Vertical Mounting Only




(1) Filter

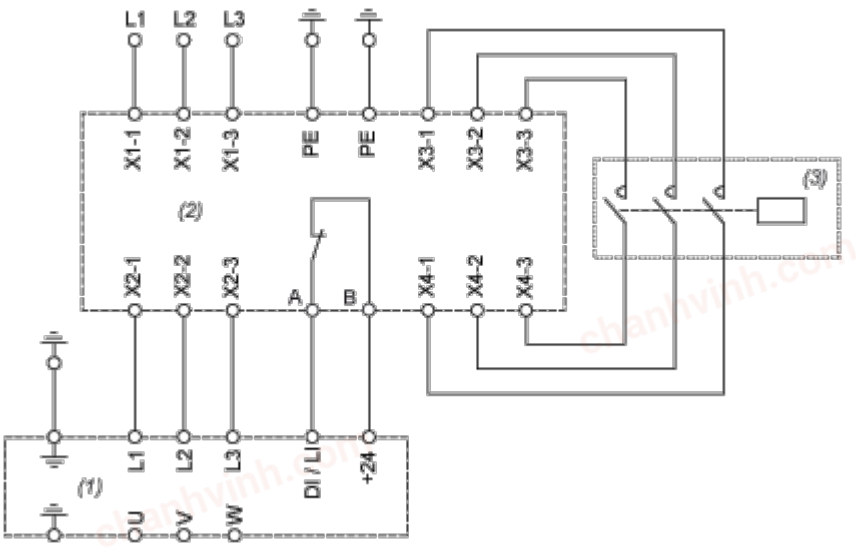
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## Connections and Schema

### Recommended Schema




(1) Drive

(2) Filter

(3) Optional