

# Product datasheet

Specifications



passive filter - 30 A - 400 V - 50 Hz -  
for variable speed drive

VW3A46124

Price: 93,248.84 ZAR

## Main

|                              |                                |
|------------------------------|--------------------------------|
| Product Or Component Type    | Passive filter                 |
| Product Specific Application | Reduction of current harmonics |

## Complementary

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range Compatibility         | Altivar Process ATV900<br>Altivar Process ATV600<br>Altivar 71<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: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV61H motor: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV71H motor: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV71W motor: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV650 wall mount, motor: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV630 wall mount, motor: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV950 wall mount, motor: 15 kW/20 hp<br>1 filter per drive for variable speed drive ATV930 wall mount, motor: 15 kW/20 hp |
| [In] Rated Current          | 29 A for input<br>30 A for output                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Network Number Of Phases    | 3 phases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Thdi                        | 10 % for variable speed drive ATV61H motor: 15 kW/20 hp<br>10 % for variable speed drive ATV71H motor: 15 kW/20 hp<br>10 % for variable speed drive ATV71W motor: 15 kW/20 hp<br>5 % for variable speed drive ATV61W motor: 15 kW/20 hp<br>5 % for variable speed drive ATV650 motor: 15 kW/20 hp<br>5 % for variable speed drive ATV630 motor: 15 kW/20 hp<br>5 % for variable speed drive ATV950 motor: 15 kW/20 hp<br>5 % for variable speed drive ATV930 motor: 15 kW/20 hp                                                                                                                                                                      |
| Max Current                 | 1.5 x nominal current (duration = 60 s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Efficiency                  | 98 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Thermal Losses              | 298 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cos Phi                     | 1 (150 % of line current)<br>0.85 (75 % of line current)<br>0.99 (100 % of line current)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Electrical Connection       | X1-1...X2-3 terminal, connection capacity: 0.5...10 mm²<br>A, B terminal, connection capacity: 2.5 mm²                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electrical Insulation Class | Class F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Net Weight                  | 34 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Environment

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

|                                       |                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 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<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                             | G5/4 engineering recommendation<br>IEC 61000-2-4<br>IEC 61000-3-12<br>IEC 61000-2-2<br>IEC 61000-3-2<br>IEC 61000-3-4   |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 56.0 cm |
| Package 1 Width              | 40.0 cm |
| Package 1 Length             | 60.0 cm |
| Package 1 Weight             | 41.5 kg |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

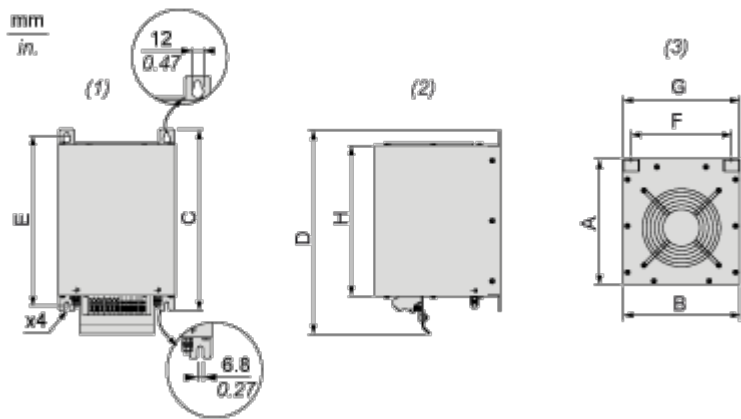
[Guide to assess a product's sustainability >](#)

## Well-being performance

|                       |                                                                                   |     |
|-----------------------|-----------------------------------------------------------------------------------|-----|
| ✓                     | Reach Free Of Svhc                                                                |     |
| ✓                     | Toxic Heavy Metal Free                                                            |     |
| ✓                     | Mercury Free                                                                      |     |
| ✓                     | Rohs Exemption Information                                                        | Yes |
|                       |                                                                                   |     |
| Reach Regulation      | REACH Declaration                                                                 |     |
| Eu Rohs Directive     | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |     |
| China Rohs Regulation | China RoHS declaration                                                            |     |

Dimensions Drawings

Dimensions



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

Dimensions in mm

| A     | B   | C      | D      | E   | F   | G   | H   |
|-------|-----|--------|--------|-----|-----|-----|-----|
| 247.5 | 232 | 399.55 | 436.11 | 380 | 205 | 230 | 350 |

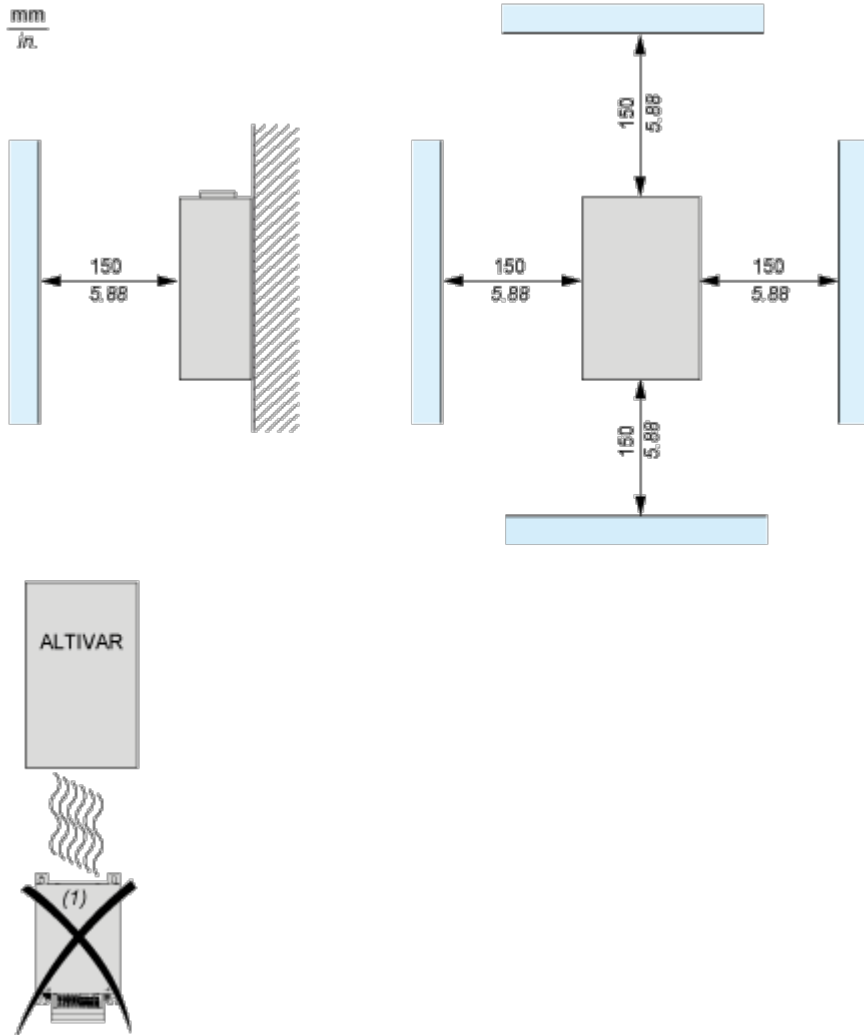
Dimensions in in.

| A    | B    | C     | D     | E     | F    | G    | H     |
|------|------|-------|-------|-------|------|------|-------|
| 9.74 | 9.13 | 15.73 | 17.17 | 14.96 | 8.07 | 9.06 | 13.78 |

## Mounting and Clearance

## Mounting Recommendations

### Vertical Mounting Only



(1) Filter

Connections and Schema

Recommended Schema



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