# **Product datasheet**

Specifications



## passive filter - 122 A - 460 V - 60 Hz - for variable speed drive

VW3A46150

EAN Code: 3606480652486

### Main

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

### Complementary

Range compatibility	Altivar Process ATV600					
	Altivar Process ATV900					
	Altivar 61					
	Altivar 71					
Us] rated supply voltage	480 V +/- 10 %					
power supply frequency	60 Hz +/- 2 %					
Quantity per drive	1 filter per drive for variable speed drive ATV61W motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV61H motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV71H motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV71W motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV77V motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV630 wall mount, motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV050 wall mount, motor: 75 kW/100 hp					
	1 filter per drive for variable speed drive ATV930 wall mount, motor: 75 kW/100 hp					
	Thite per drive for variable speed drive AT v350 wait mount, motor. 75 kW/100 hp					
[In] rated current	118 A for input					
	122 A for output					
Network number of phases	3 phases					
THDI	10 % for variable speed drive ATV61W motor: 75 kW/100 hp					
	16 % for variable speed drive ATV61H motor: 75 kW/100 hp					
	16 % for variable speed drive ATV71H motor: 75 kW/100 hp					
	16 % for variable speed drive ATV71W motor: 75 kW/100 hp					
	10 % for variable speed drive ATV650 motor: 75 kW/100 hp					
	10 % for variable speed drive ATV630 motor: 75 kW/100 hp					
	10 % for variable speed drive ATV950 motor: 75 kW/100 hp					
	10 % for variable speed drive ATV930 motor: 75 kW/100 hp					
Max current	1.5 x nominal current (duration = 60 s)					
Efficiency	98 %					
Thermal losses	488 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 mm <sup>2</sup>					
	X1-1X2-3 terminal, connection capacity: 1070 mm <sup>2</sup>					
Electrical insulation class	Class F					
Net weight	74 kg					
	-					

### Environment

IP degree of protection	IP20 IP55 (enclosure mounting)
Vibration resistance	2 mm peak to peak (f= 513.2 Hz) conforming to IEC 60068-2-6 0.7 gn (f= 13.2150 Hz) conforming to IEC 60068-2-6
Relative humidity	585 % without condensation
Ambient air temperature for operation	4560 °C (with current derating 3 % per °C) 545 °C (without current derating)
Ambient air temperature for storage	-2555 °C storage in original packaging -2565 °C during transport
Operating altitude	<= 1000 m without current derating > 10004000 m with current derating 5 % per 1000 m
Standards	IEC 61000-2-2 IEC 61000-2-4 IEC 61000-3-2 G5/4 engineering recommendation IEC 61000-3-12 IEC 61000-3-4

# **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	86.2 kg

### **Contractual warranty**

Warranty

18 months

# 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  $\geq$ 

#### **Use Better**

ℬ 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

υ	Repack	and	remanufacture	
0	пераск	anu	remanulacture	

Take-back

No

### **Product datasheet**

### **Dimensions Drawings**

#### Dimensions



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

#### Dimensions in mm

А	В	С	D	E1	E2	E3	F	G	Н
333	370	685	736.8	212	240	212	393	418	598

Dimensions in in.

А	В	С	D	E1	E2	E3	F	G	Н
13.11	14.57	26.97	29.00	8.35	9.45	8.35	15.47	16.46	23.54

### **Product datasheet**

#### Mounting and Clearance

#### **Mounting Recommendations**

#### Vertical Mounting Only





(1) Filter

Connections and Schema

#### **Recommended Schema**



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