

passive filter, Altivar, 150A, 400V, 50Hz, for variable speed drive

VW3A46131

Main

Product or component type	Passive filter				
Product specific application	Reduction of current harmonics				
Complementary					
Range compatibility	Altivar 61				
	Altivar Process ATV900				
	Altivar 71 Altivar Process ATV600				
	400 V +/- 10 %				
power supply frequency	50 Hz +/- 2 %				
Quantity per drive	1 filter per drive for variable speed drive ATV650 wall mount, 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 ATV950 wall mount, motor: 75 kW/100 hp 1 filter per drive for variable speed drive ATV930 wall mount, motor: 75 kW/100 hp				
	1 filter per drive for variable speed drive ATV930 wait mount, motor: 75 kW/100 hp				
	1 filter per drive for variable speed drive ATV61W motor: 75 kW/120 hp				
	1 filter per drive for variable speed drive ATV61W motor: 90 kW/125 hp				
	1 filter per drive for variable speed drive ATV71H motor: 90 kW/125 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 ATV71Q motor: 90 kW/125 hp				
[In] rated current	144 A for input 150 A for output				
Network number of phases	3 phases				
THDI	5 % for variable speed drive ATV630 motor: 55 kW/75 hp				
	5 % for variable speed drive ATV61H motor: 75 kW/100 hp				
	5 % for variable speed drive ATV71H motor: 75 kW/100 hp				
	5 % for variable speed drive ATV71W motor: 75 kW/100 hp				
	5 % for variable speed drive ATV61H motor: 90 kW/125 hp				
	5 % for variable speed drive ATV61W motor: 75 kW/100 hp				
	5 % for variable speed drive ATV61W motor: 90 kW/125 hp 5 % for variable speed drive ATV71H motor: 90 kW/125 hp				
	5 % for variable speed drive ATV717 motor: 90 kW/125 hp				
	5 % for variable speed drive ATV950 motor: 55 kW/75 hp				
	5 % for variable speed drive ATV930 motor: 55 kW/75 hp				
Max current	1.5 x nominal current (duration = 60 s)				
Efficiency	98 %				
Thermal losses	962 W				
Cos phi	1 (150 % of line current)				
	0.85 (75 % of line current)				
	,				
	0.99 (100 % of line current)				
Electrical connection	,				

Class F

Electrical insulation class

Net weight 126 kg

Environment

IP degree of protection	IP20 IP55 (enclosure mounting) 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					
Vibration resistance						
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 61000-2-4 IEC 61000-2-2 G5/4 engineering recommendation IEC 61000-3-4 IEC 61000-3-12 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	138.2 kg



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 Packaging	
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

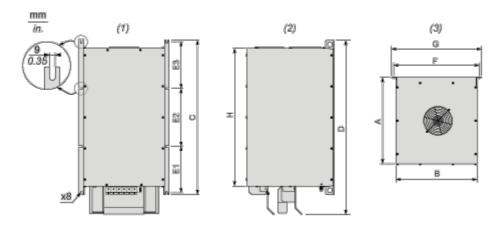
Use Again

○ Repack and remanufacture		
Take-back	No	

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Dimensions Drawings

Dimensions



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

Dimensions in mm

Α	В	С	D	E1	E2	E3	F	G	Н
400	370	685	767.6	212	240	212	393	418	598

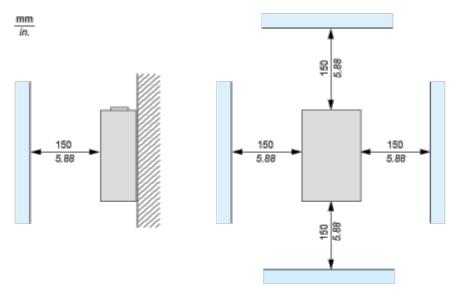
Dimensions in in.

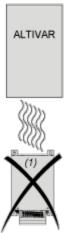
Α	В	С	D	E1	E2	E3	F	G	Н
15.75	14.57	26.97	30.22	8.35	9.45	8.35	15.47	16.46	23.54

Mounting and Clearance

Mounting Recommendations

Vertical Mounting Only

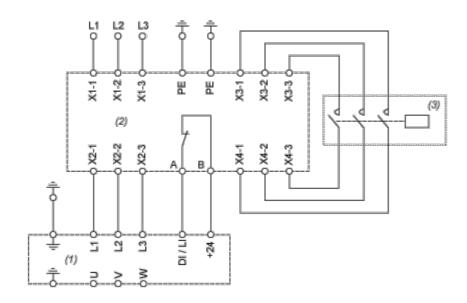




(1) Filter

Connections and Schema

Recommended Schema



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