

Product datasheet

Specifications



passive filter, Altivar, 289A, 460V, 60Hz, for variable speed drive

VW3A4650

⚠ Discontinued on: 23 Jan 2021

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Main

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

Complementary

Range compatibility	Altivar 71 Altivar 61
[Us] rated supply voltage	480 V +/- 10 %
power supply frequency	60 Hz +/- 5 %
Quantity per drive	1 filter per drive for ATV61HC16N4 1 filter per drive for ATV71HC16N4 2 filters per drive for ATV61HC31N4 2 filters per drive for ATV61HC40N4 2 filters per drive for ATV71HC28N4 2 filters per drive for ATV71HC31N4 2 filters per drive for ATV71HC40N4
[In] rated current	289 A
Network number of phases	3 phases
THDI	10 % for ATV61HC16N4 ATV61H motor: 160 kW/250 hp 10 % for ATV61HC31N4 ATV61H motor: 280 kW/450 hp 10 % for ATV61HC40N4 ATV61H motor: 355 kW 10 % for ATV71HC16N4 ATV71H motor: 160 kW/250 hp 10 % for ATV71HC28N4 ATV71H motor: 280 kW/450 hp 10 % for ATV71HC31N4 ATV71H motor: 315 kW/500 hp 10 % for ATV71HC40N4 ATV71H motor: 355 kW
Max current	1.5 x nominal current
Efficiency	98 %
Cos phi	1 (150 % of line current) 0.85 (75 % of line current) 0.99 (100 % of line current)
Electrical connection	bare wires diameter: 16.5 mm
Electrical insulation class	Class F
Product weight	145 kg

Environment

IP degree of protection	IP20
Relative humidity	5...85 % without condensation
Ambient air temperature for operation	40...55 °C (with current derating 3 % per °C) 5...40 °C (without current derating)
Ambient air temperature for storage	-25...55 °C

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Operating altitude	<= 1000 m without current derating
	> 1000...4000 m with current derating 5 % per 1000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1



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 Longer

Lifetime extension	
Repair	No