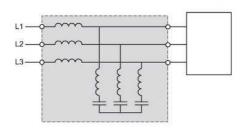
Product data sheet Characteristics

VW3A4670

passive filter - 289 A - 460 V - for variable speed drive



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

Complementary

Range compatibility	Altivar 61
	Altivar 71
[Us] rated supply voltage	480 V (+/- 10 %)
Power supply frequency	60 Hz (tolerance: +/- 5 %)
Quantity per drive	2 filters per drive for ATV71HC40N4
	2 filters per drive for ATV71HC31N4
	2 filters per drive for ATV71HC28N4
	2 filters per drive for ATV61HC40N4
	2 filters per drive for ATV61HC31N4
	1 filter per drive for ATV71HC16N4
	1 filter per drive for ATV61HC16N4
[In] rated current	289 A
Network number of phases	3 phases
THDI	5 % for ATV71HC40N4 ATV71H motor: 355 kW
	5 % for ATV71HC31N4 ATV71H motor: 315 kW / 500 hp
	5 % for ATV71HC28N4 ATV71H motor: 280 kW / 450 hp
	5 % for ATV71HC16N4 ATV71H motor: 160 kW / 250 hp
	5 % for ATV61HC40N4 ATV61H motor: 355 kW
	5 % for ATV61HC31N4 ATV61H motor: 280 kW / 450 hp
	5 % for ATV61HC16N4 ATV61H motor: 160 kW / 250 hp
Max current	1.5 x nominal current
Efficiency	98 %
Cos phi	0.99 at 100 % of line current
	0.85 at 75 % of line current
	1 at 150 % of line current
Electrical connection	Bare wires, Ø = 16.5 mm
Electrical insulation class	Class F
Product weight	215 kg

Environment

IP degree of protection	IP20	
Relative humidity	585 % without condensation	
Ambient air temperature for operation	540 °C without current derating > 4055 °C with current derating 3 % per °C	
Ambient air temperature for storage	> -2555 °C	
Operating altitude	> 10004000 m with current derating 5 % per 1000 m <= 1000 m without current derating	