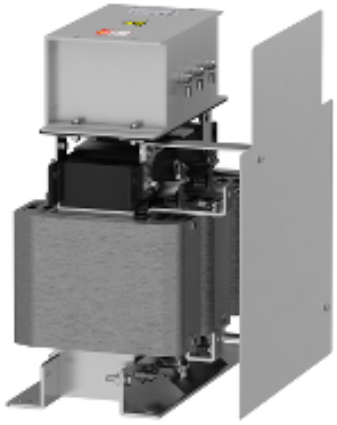
Product data sheet
Characteristics

VW3A5406
output sinus filter, Altivar, 180A, for variable speed drive



Main

Product or component type	Sinus filter
Range compatibility	Altivar Process ATV900 Altivar Process ATV600
Product specific application	Output filter

Complementary

Maximum motor cable length	1000 M unshielded cable 500 M shielded cable
[In] rated current	180 A
Thermal losses	411 W at 4 kHz
Product compatibility	Variable speed drive ATV630 wall mount, motor: 30 kW, 200...240 V Variable speed drive ATV630 wall mount, motor: 37 kW, 200...240 V Variable speed drive ATV630 wall mount, motor: 45 kW, 200...240 V Variable speed drive ATV630 wall mount, motor: 55 kW, 380...480 V Variable speed drive ATV630 wall mount, motor: 75 kW, 380...480 V Variable speed drive ATV630 wall mount, motor: 90 kW, 380...480 V Variable speed drive ATV650 wall mount, motor: 55 kW, 380...480 V Variable speed drive ATV650 wall mount, motor: 75 kW, 380...480 V Variable speed drive ATV650 wall mount, motor: 90 kW, 380...480 V Variable speed drive ATV930 wall mount, motor: 30 kW, 200...240 V Variable speed drive ATV930 wall mount, motor: 37 kW, 200...240 V Variable speed drive ATV930 wall mount, motor: 45 kW, 200...240 V Variable speed drive ATV930 wall mount, motor: 55 kW, 380...480 V Variable speed drive ATV930 wall mount, motor: 75 kW, 380...480 V Variable speed drive ATV930 wall mount, motor: 90 kW, 380...480 V Variable speed drive ATV950 wall mount, motor: 55 kW, 380...480 V Variable speed drive ATV950 wall mount, motor: 75 kW, 380...480 V Variable speed drive ATV950 wall mount, motor: 90 kW, 380...480 V
Electrical connection	M10 copper bar, connection capacity: 120 mm² / 4/0 AWG
Operating altitude	<= 1000 m without current derating 1000...4000 m with current derating 1 % per 100 m
Switching frequency	2.5...6 kHz
Maximum output frequency	100 Hz
Maximum voltage drop at rated load	8 %
Permissible voltage	480 V AC
Max current	1.20 x nominal current (duration = 60 s)
Width	430 Mm
Height	350 Mm
Depth	495 Mm
Net weight	90 Kg

Environment

IP degree of protection	IP00
Environmental characteristic	Biological pollution resistance class 3B1 conforming to IEC 60721-3-3 Chemical pollution resistance class 3C3 conforming to IEC 60721-3-3 Dust pollution resistance class 3S3 conforming to IEC 60721-3-3
Pollution degree	3 conforming to IEC 61800-5-1
Relative humidity	5…95 % without condensation
Ambient air temperature for operation	50…60 °C (with current derating 1.5 % per °C) -15…50 °C (without current derating)
Ambient air temperature for storage	-40…70 °C
Mechanical robustness	Shocks class 3M4 conforming to IEC 60721-3-3 Vibrations class 3M4 conforming to IEC 60721-3-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	73.000 Cm
Package 1 Width	45.000 Cm
Package 1 Length	80.000 Cm
Package 1 Weight	98.000 Kg

Offer Sustainability

REACh free of SVHC	Yes
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised