



Main

Product or component type	Sinus filter
Range compatibility	Altivar 71 Altivar 61
Product specific application	Output filter
[In] rated current	180 A
Thermal losses	400 W 100 Hz
Product compatibility	ATV61HD30M3X ATV61HD37M3X ATV61HD45M3X ATV61HD55N4 ATV61HD75N4 ATV61WD55N4 ATV61WD55N4C ATV61WD75N4 ATV61WD75N4C ATV71HD30M3X ATV71HD37M3X ATV71HD45M3X ATV71HD55N4 ATV71HD75N4 ATV71WD55N4 ATV71WD75N4
Switching frequency	4...8 kHz
Maximum output frequency	100 Hz
Maximum permissible voltage	500 V AC

Complementary

Maximum motor cable length	3280.84 ft (1000 m) 55 kW 400 V 3280.84 ft (1000 m) 75 kW 400 V
Electrical connection	Terminal 95 mm ² / AWG 4/0, 177.01 lbf.in (20 N.m)
Maximum voltage drop at rated load	10 %
Max current	1.5 x nominal current (duration = 60 s)
Net weight	264.55 lb(US) (120 kg)

Environment

IP degree of protection	IP20
Environmental characteristic	3B1 conforming to IEC 721-3-3 3C2 IEC 721-3-3 3S1 conforming to IEC 721-3-3
Pollution degree	2 conforming to EN 50178
Vibration resistance	1 gn 13...200 Hz)IEC 60068-2 1.5 mm peak to peak 3...13 Hz)IEC 60068-2
Shock resistance	15 gn 11 ms IEC 60068-2-27
Relative humidity	0...95 %
Ambient air temperature for operation	104...122 °F (40...50 °C) with current derating 1.5 % per °C) 14...104 °F (-10...40 °C) without current derating)
Ambient air temperature for storage	-40...149 °F (-40...65 °C)
Operating altitude	<= 1000 m without current derating 1000...3000 m with current derating 1 % per 100 m

Packing Units

Package 1 Weight	271.17 lb(US) (123.000 kg)
Package 1 Height	4.500 dm
Package 1 width	15.000 dm
Package 1 Length	5.200 dm

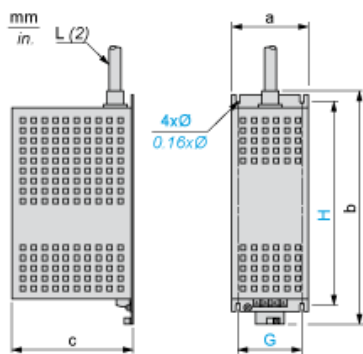
Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration

Contractual warranty

Warranty	18 months
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Dimensions



(2) Length of the cable integrated in the sinus filter

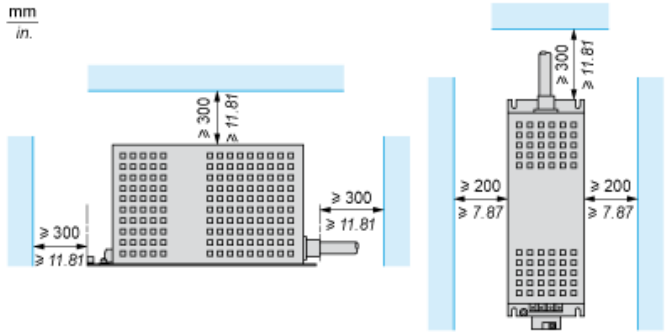
Dimensions in mm

a	b	c	G	H	Ø	L (2)
310	1060	375	220	880	11	2700

Dimensions in in.

a	b	c	G	H	Ø	L (2)
12.20	41.73	14.76	8.66	34.64	0.43	106.30

Mounting Recommendations



Sinus filters emit considerable heat and must not be placed underneath the drive