



Main

Product or component type	Sinus filter
Range compatibility	Altivar 61 Altivar 71
Product specific application	Output filter
[In] rated current	16 A
Thermal losses	70 W at 100 Hz
Product compatibility	ATV61HU22M3 ATV61HU30M3 ATV61HU55N4 ATV61WU55N4 ATV61WU55N4C ATV71HU22M3 ATV71HU30M3 ATV71HU55N4 ATV71PU55N4Z ATV71WU55N4
Switching frequency	4...8 kHz
Output frequency	0...100 Hz
Maximum permissible voltage	500 V AC

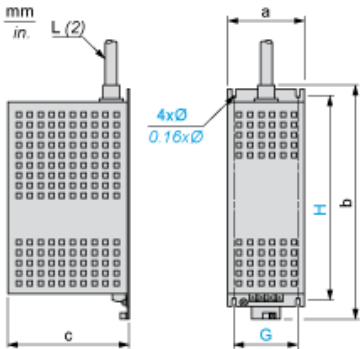
Complementary

Motor cable length	≤ 600 m P motor 5.5 kW at 400 V
Electrical connection	Terminal, connection capacity: 6 mm ² (AWG 8) 1.5 N.m
Voltage drop at rated load	< 10 %
Max current	1.5 x nominal current for 60 s
Product weight	11 kg

Environment

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

Dimensions



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

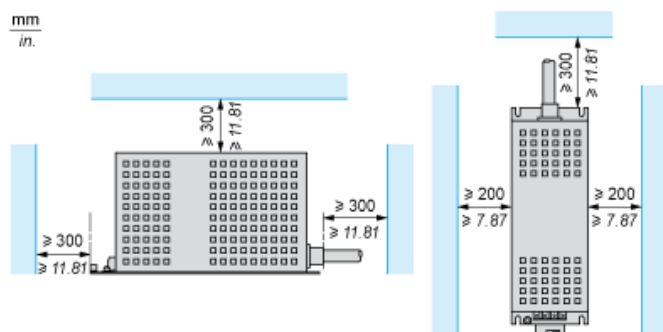
Dimensions in mm

a	b	c	G	H	Ø	L (2)
120	405	190	100	350	6.6	900

Dimensions in in.

a	b	c	G	H	Ø	L (2)
4.72	15.94	7.48	3.94	13.78	0.26	35.43

Mounting Recommendations



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