



Main

Product or component type	Sinus filter
Range compatibility	Altivar 61 Altivar 71
Product specific application	Output filter
[In] rated current	33 A
Thermal losses	120 W at 100 Hz
Product compatibility	ATV61HD11N4 ATV61HD15N4 ATV61HU40M3 ATV61HU55M3 ATV61HU75M3 ATV61HU75N4 ATV61WD11N4 ATV61WD11N4C ATV61WD15N4 ATV61WD15N4C ATV61WU75N4 ATV61WU75N4C ATV71HD11N4 ATV71HD15N4 ATV71HU40M3 ATV71HU55M3 ATV71HU75M3 ATV71HU75N4 ATV71PD11N4Z ATV71PU75N4Z ATV71WD11N4 ATV71WD15N4 ATV71WU75N4
Switching frequency	4...8 kHz
Output frequency	0...100 Hz
Maximum permissible voltage	500 V AC

Complementary

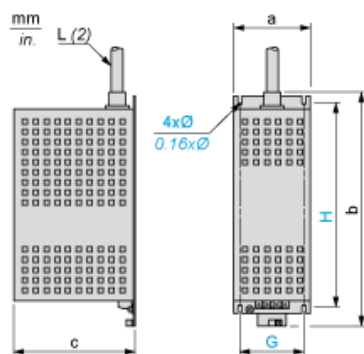
Motor cable length	<= 1000 m P motor 7.5...15 kW at 400 V
Electrical connection	Terminal, connection capacity: 10 mm² (AWG 6) 1.5 N.m
Voltage drop at rated load	< 10 %
Max current	1.5 x nominal current for 60 s
Product weight	22 kg

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

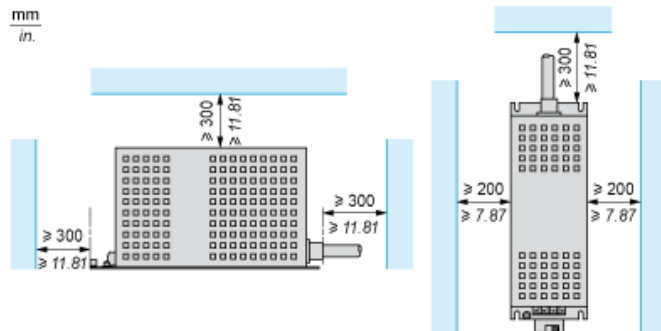
Dimensions in mm

a	b	c	G	H	Ø	L (2)
150	470	240	120	380	6.6	900

Dimensions in in.

a	b	c	G	H	Ø	L (2)
5.90	18.50	9.45	4.72	14.96	0.26	35.43

Mounting Recommendations



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