

Main

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

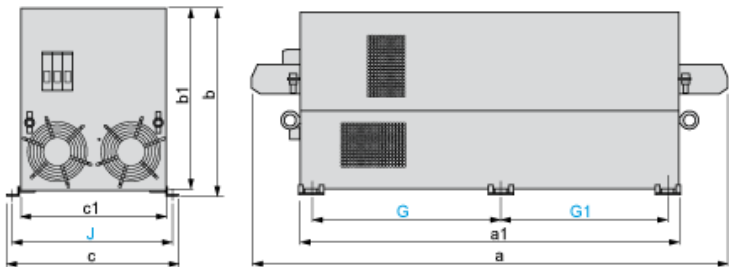
Complementary

Range compatibility	Altivar 61 Altivar 71
[Us] rated supply voltage	400 V (+/- 10 %)
Power supply frequency	50 Hz (tolerance: +/- 5 %)
Quantity per drive	3 filters per drive for ATV71HC50N4 3 filters per drive for ATV61HC50N4 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	10 % for ATV71HC50N4 ATV71H motor: 500 kW / 700 hp 10 % for ATV71HC40N4 ATV71H motor: 355 kW 10 % for ATV71HC31N4 ATV71H motor: 315 kW / 500 hp 10 % for ATV71HC28N4 ATV71H motor: 280 kW / 450 hp 10 % for ATV71HC16N4 ATV71H motor: 160 kW / 250 hp 10 % for ATV61HC50N4 ATV61H motor: 500 kW / 700 hp 10 % for ATV61HC40N4 ATV61H motor: 355 kW 10 % for ATV61HC31N4 ATV61H motor: 280 kW / 450 hp 10 % 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	135 kg

Environment

IP degree of protection	IP20
Relative humidity	5...85 % without condensation
Ambient air temperature for operation	5...40 °C without current derating > 40...55 °C with current derating 3 % per °C
Ambient air temperature for storage	> -25...55 °C
Operating altitude	> 1000...4000 m with current derating 5 % per 1000 m <= 1000 m without current derating

Dimensions



Dimensions in mm

a	a1	b	b1	c	c1	G	G1	J
1160	900	419	409	454	406	430	412	430

Dimensions in in.

a	a1	b	b1	c	c1	G	G1	J
45.67	35.43	16.50	16.10	17.87	15.98	16.93	16.22	16.93

Mounting Recommendations

Horizontal or Vertical Mounting

