

## Main

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

## Complementary

|                             |                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range compatibility         | Altivar 61<br>Altivar 71                                                                                                                                                                                                                                                                                                                                             |
| [Us] rated supply voltage   | 480 V (+/- 10 %)                                                                                                                                                                                                                                                                                                                                                     |
| Power supply frequency      | 60 Hz (tolerance: +/- 5 %)                                                                                                                                                                                                                                                                                                                                           |
| Quantity per drive          | 2 filters per drive for ATV71HC40N4<br>2 filters per drive for ATV71HC31N4<br>2 filters per drive for ATV71HC28N4<br>2 filters per drive for ATV61HC40N4<br>2 filters per drive for ATV61HC31N4<br>1 filter per drive for ATV71HC16N4<br>1 filter per drive for ATV61HC16N4                                                                                          |
| [In] rated current          | 289 A                                                                                                                                                                                                                                                                                                                                                                |
| Network number of phases    | 3 phases                                                                                                                                                                                                                                                                                                                                                             |
| THDI                        | 10 % for ATV71HC40N4 ATV71H motor: 355 kW<br>10 % for ATV71HC31N4 ATV71H motor: 315 kW / 500 hp<br>10 % for ATV71HC28N4 ATV71H motor: 280 kW / 450 hp<br>10 % for ATV71HC16N4 ATV71H motor: 160 kW / 250 hp<br>10 % for ATV61HC40N4 ATV61H motor: 355 kW<br>10 % for ATV61HC31N4 ATV61H motor: 280 kW / 450 hp<br>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<br>0.85 at 75 % of line current<br>1 at 150 % of line current                                                                                                                                                                                                                                                                          |
| Electrical connection       | Bare wires, Ø = 16.5 mm                                                                                                                                                                                                                                                                                                                                              |
| Electrical insulation class | Class F                                                                                                                                                                                                                                                                                                                                                              |
| Product weight              | 145 kg                                                                                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| IP degree of protection               | IP20                                                                                       |
| Relative humidity                     | 5...85 % without condensation                                                              |
| Ambient air temperature for operation | 5...40 °C without current derating<br>> 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<br><= 1000 m without current derating |