

### Main

Range of product	Altivar
Product or component type	Variable speed drive
Product specific application	Fan, pump, compressor, conveyor
Assembly style	In floor-standing enclosure with separate air flows
Provided equipment	Enclosure
IP degree of protection	IP54 IP21 IP31 IP41 IP42 IP55
Supply frequency	50/60 Hz +/- 5 %
[Uc] control circuit voltage	6...250 V
Network number of phases	3 phases
Asynchronous motor control profile	Vector control with sensor Closed-loop control with encoder Sensorless flux vector control Voltage/frequency ratio (V/f)
Synchronous motor control profile	Closed-loop control with encoder Voltage/frequency ratio (V/f)
Display type	LCD display for operation function, status and configuration
Output voltage	0...100 % power voltage
Nominal switching frequency	2.4...16 kHz
Speed drive output frequency	0.5...399 Hz closed-loop control with encoder
Overload withstand	1.2...1.6 In, 2...60 s
Continuous output current	116...2916 A (standard overload)
Efficiency	96 % (advanced)
Communication port protocol	Human machine interface: Modbus with 2-wire RS485 - RJ45 Profibus with - SUB-D 9 DeviceNet with - SUB-D 9

### Complementary

Product destination	Asynchronous motors
Electrical connection	Bar entry from the bottom or from the top (L1/R, L2/S, L3/T)
Input type	Rectifier bridge
Output type	Transistor IGBT
Acceleration and deceleration ramps	Linear from 0...3200 s
Protection type	Drive: overcurrent Drive: overvoltage Drive: undervoltage Drive: controller shutdown Drive: cooling fan stop Drive: overload Drive: over temperature protection Drive: communication failure Drive: phase loss
Frequency resolution	Output: 0.01 Hz

Supply	External supply Internal supply
Analogue input type	Software-configurable current: 0...20 mA/4...20 mA 24 V max
Analogue output type	Software-configurable voltage: 0...10 V DC Software-configurable current: 0...20 mA/4...20 mA DC
Discrete output number	20 6
Isolation	Electrical between power and control
Operating position	Vertical +/- 10 degree

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	216 cm
Package 1 Width	81.6 cm
Package 1 Length	66 cm
Package 1 Weight	430 kg