



Main

Range of product	Altivar 16
Product or component type	Variable speed drive

Complementary

Product destination	Asynchronous motors
[Us] rated supply voltage	380...500 V (- 15...10 %)
Supply frequency	50/60 Hz (+/- 5 %)
Network frequency limits	47.5...63 Hz
Network number of phases	3 phases
Motor power kW	0.75 kW
Motor power hp	1 hp
Line current	3.9 A at 380 V 3.5 A at 500 V
Apparent power	5 kVA at 400 V
Prospective line I _{sc}	5 kA
Continuous output current	2.3 A at 380 V 2.1 A at 500 V
Speed drive output frequency	0.5...400 Hz
Nominal switching frequency	4 kHz
Switching frequency	12...16 kHz with derating factor 2...12 kHz adjustable
Local signalling	1 LED, red for DC bus energized
Output voltage	<= power supply voltage
Communication port protocol	Modbus
Connector type	1 RJ45
Physical interface	2-wire RS 485
Transmission frame	RTU
Transmission rate	9600 bps or 19200 bps
Data format	8 bits, 1 stop, odd even or no configurable parity
Height	200 mm
Width	180 mm
Depth	144 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Option card	Communication card for LonWorks Communication card for METASYS N2 Communication card for APOGEE FLN Communication card for BACnet
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Environment

IP degree of protection	IP31 conforming to EN 60530 IP31 conforming to EN 61800-5-2 IP31 conforming to IEC 61800-5-1 IP31 conforming to IEC 60529
Ambient air temperature for operation	40...50 °C with derating factor -10...40 °C without derating
Ambient air temperature for storage	-25...70 °C
Operating altitude	1000...3000 m <= 2000 m

ATV16U18N4 is replaced by:



Variable speed drives ATV31H075N4

variable speed drive ATV31 - 0.75kW - 500V 3-phase supply - EMC filter - IP20

Qty 1

Reason for Substitution: End of life | Substitution date: 01 January 2004 | The ATV 31 does not have external power supply