

Product data sheet

Specifications



variable speed drive ATV660 - 315kW/500HP - 460 V

ATV660C31T4

Main

Range Of Product	Altivar 660 Drive System
Product Or Component Type	Variable speed drive
Product Specific Application	Process and utilities
Device Short Name	ATV600
Product Destination	Synchronous motors Asynchronous motors
Mounting Mode	Floor-standing
Function Available	Customised option card Customised enclosure colour Customised cable entry Customised provided equipment
Maximum Horse Power Rating	500 hp
Cable Entry	Top Bottom
Colour Of Enclosure	Light grey RAL 7035)
Ip Degree Of Protection	IP23 conforming to UL 508 A IP54
Degree Of Protection	UL type 1 UL type 12 UL type 3R
Type Of Cooling	Forced convection
[Us] Rated Supply Voltage	460 V + 10 % - 15 %
Supply Frequency	50/60 Hz +/-5 %
Phase	3 phase
Overvoltage Category	III
Asynchronous Motor Control Profile	Variable torque standard Optimized torque mode Constant torque standard
Permissible Temporary Current Boost	1.1 x In 60 s normal duty) 1.5 x In 60 s heavy duty)
Nominal Switching Frequency	2.5 kHz
Switching Frequency	0.5...8 kHz adjustable
Motor Power Kw	315 kW
Maximum Thdi	<48 % full load IEEE 519
Energy Efficiency Ratio	0.95

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Pollution Degree	2 IEC 60664-1
Vibration Resistance	1.5 mm peak to peak 3...13 Hz)IEC 60721-3-3
Relative Humidity	95 % without condensation or dripping water IEC 60068-2-78
Ambient Air Temperature For Operation	14...104 °F (-10...40 °C)
Ambient Air Temperature For Storage	-13...149 ❖❖F (-25...65 °C)
Operating Altitude	3280.84 ft (1000 m) without derating
Standards	UL 508 A