



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	Asynchronous motors Synchronous motors
Mounting mode	Floor-standing
Function available	Customised option card Customised enclosure colour Customised provided equipment Customised cable entry
Maximum Horse Power Rating	100 hp
Cable entry	Bottom Top
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 phases
Overvoltage category	III
Asynchronous motor control profile	Constant torque standard Variable torque standard Optimized torque mode
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	75 kW
THDI	48 % at full load conforming to IEEE 519
Energy efficiency ratio	>= 0.95

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

Environment

Pollution degree	2 conforming to IEC 60664-1
Vibration resistance	1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60721-3-3
Relative humidity	95 % without condensation or dripping water conforming to 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