



Drive, ATV630D45N4

URL: <https://www.sxplc.com/drive-atv630d45n4>

Product data sheet

Range of product	Altivar Process ATV600
product or component type	Variable speed drive
Product specific application	Process and utilities
Device short name	ATV630
variant	Standard version
product destination	Asynchronous motors Synchronous motors
EMC filter	Integrated with 50 m conforming to EN/IEC 61800-3 category C2 Integrated with 150 m conforming to EN/IEC 61800-3 category C3
IP degree of protection	IP21 conforming to IEC 61800-5-1 IP21 conforming to IEC 60529
[Us] rated supply voltage	380...480 V
Degree of protection	UL type 1 conforming to UL 508C
Type of cooling	Forced convection
Supply frequency	50...60 Hz - 5...5 %
[Us] rated supply voltage	380...480 V - 15...10 %
Motor power kW	45 kW (normal duty) 37 kW (heavy duty)

Motor power hp	60 hp normal duty 50 hp heavy duty
Line current	79.8 A at 380 V (normal duty) 69.1 A at 480 V (normal duty) 67.1 A at 380 V (heavy duty) 59 A at 480 V (heavy duty)
Prospective line I _{sc}	50 kA
Apparent power	57.4 kVA at 480 V (normal duty) 49.1 kVA at 480 V (heavy duty)
Continuous output current	88 A at 4 kHz for normal duty 74.5 A at 4 kHz for heavy duty
Asynchronous motor control profile	Optimized torque mode Constant torque standard Variable torque standard
Synchronous motor control profile	Permanent magnet motor Synchronous reluctance motor
Speed drive output frequency	0.1...500 Hz
Nominal switching frequency	4 kHz
Switching frequency	2...12 kHz adjustable 4...12 kHz with derating factor
Safety function	STO (safe torque off) SIL 3
Discrete input logic	16 preset speeds
Communication port protocol	Modbus serial Ethernet Modbus TCP

