Variable Speed Drives and Soft Starters	**Machine Drives**	**Altivar Machine ATV320**	**Altivar Machine ATV320, a variable speed drive designed for Original Equipment Manufacturers that meets simple and advanced application requirements for 3 Phase synchronous and asynchronous motors from 0.18 to 15 kW (0.25 to 20 Hp), 170…200 % of nominal motor torque Heavy duty** **Features** **The Altivar Machine ATV320** variable speed drive improves machine effectiveness in a wide variety of applications. Altivar Machine ATV320 was designed to improve the effectiveness and efficiency of machines, while optimizing design and engineering costs for original equipment manufacturers (OEMs). Enhanced automation capabilities, The Altivar Machine ATV320 matches a variety of machine throughput requirements with the following features:Open-loop motor control combined with simplicity for asynchronous and synchronous motors, even at low speed and dynamic accuracy for start/stop applications, Advanced connectivity with automation architectures such as CANopen, EtherNet/IP - Modbus TCP, EtherCAT, Profibus, Profinet, DeviceNet.Application specific functions and ATVLogic bring the application expertise and flexibility into the machines.Extended machine availabilityThe Altivar Machine **ATV320** variable speed drives carry on their predecessors' tradition of robustness and reliability.Continuous machine operation in harsh environments with high levels of ambient temperature, dust, electrical interruptions, or mechanical disturbances. Ability to work in ambients up to 60°C with derating and 50°C without derating.Maximized machine operation time, as production changes, maintenance, safety diagnostics and operation, network configuration, and system integration can all to be accomplished quickly.Reduced total machine costThe Altivar Machine ATV320 improves bottom line of the machine builders:Reduced installation costs, with both book and compact form factors reducing machine footprint, whether mounted in a machine frame or electrical cabinetFewer additional devices needed to manage machine safety and simple logic functions, as both are managed internally within the drive Reduced engineering and design time thanks to ready-to-use, PLCopen-compliant libraries and tested, validated, documented architectures (TVDAs) available through Schneider Electric's EcoStruxure Machine solutions

			Benefits Two form factors. book and compact engineered for easy, cost-effective integration with various machine layouts and for placement inside either cabinets or machine frames.Advanced connectivity enables integration with many of the most common Ethernet and serial-based communication networks, from EtherNet IP to CANopen, complementing integration with Schneider Electric's EcoStruxure Machine solutions and facilitating PLCopen compliance. Reliably accurate motor control of both asynchronous and synchronous motors.Robust design with IEC 60721-3-3 class 3C3 coated printed circuit boards to extend machine availability in harsh environmental conditions, for example at ambient temperatures of up to 60°C without the need of additional cooling. Comprehensive embedded safety with, in addition to Safety Torque Off, four functions for full safety monitoring to simplify machine certification and compliance with Machinery Directive 2006/42/EC. **Applications** Simple and advanced machine requirements covered for Packaging Material Handling Textile Material working Mechanical actuators Hoisting