



A unique solution for original equipment manufacturers

Altivar Machine ATV320 redefines possibilities for machine manufacturers



With the growing demands for manufacturers to digitize their plants and realize the full benefits of machine integration, OEMs need products which easily install and integrate into hybrid automation systems.

The Altivar™ Machine ATV320, part of the Altivar Machine range, is a powerful combination of safety, reliability and simplicity. ATV320 is a versatile choice which can help reduce installation costs and enhance throughput on machine performance. With robust design standards, it gives the best option for extending on OEM machine life cycle.

*from 0.25 Hp to 20 Hp.

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Powerful, robust and flexible

The Altivar Machine ATV320 has a number of out-of-the-box features for building more effective machines at optimized build costs, including:

Unprecedented flexibility

- Simplified installation thanks to the availability of 3 form factors: compact, book and IP66/65 that allow efficient space usage in various cabinet layouts despite mechanical and environmental constraints.
- Advanced connectivity via many networks that are based on Ethernet (Modbus TCP, Ethernet/IP, Profinet, EtherCAT) or serial (Modbus RTU, CANopen, Profibus DP, DeviceNet).

Improved machine performance

- Reliable motor control for asynchronous and synchronous motors, delivering leading-edge performance with simple, plug-and-play commissioning with high overcurrent ability to help machines reach better dynamic performance.

Extended machine availability

- Continuous machine operation as a result of robust design. Printed circuit boards are class 3C3 & 3S2 coated in accordance with IEC 61721-3-3 to protect against corrosion in harsh environments. The drive allows for uninterrupted operation with ambient temperatures up to 60°C. Washable drives equipped with high IP protection and flexible panel building ability, thus permitting usage in harsh environments.

Automation and Safety

- Comprehensive embedded safety & PLC solutions for simple application requirements. ATV320 is with integrated PLC and safety functions (SLS, SMS, SS1, GDL, STO)

SS1: Safe Stop 1

SLS: Safe Limited Speed

SMS: Safe Maximum Speed

GDL: Guard Door Locking



ATV320 Compact designed for machine body integration



ATV320 Book designed for optimized cabinet usage



ATV320 High IP protection designed for harsh environment

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For more information and product references visit

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