



Stay on top of the smart machine era

Altivar Machine ATV340, innovative variable speed drives for high-performance material handling machines

What if you could deliver top-quality material handling systems while reducing build costs? Fortunately, there's a variable speed drive that offers a simple way to do so, even as application requirements rise and the pace of technology accelerates.

Designed for optimized installation, the Altivar™ Machine ATV340* drive offers cutting-edge application control and advanced, easy-to-integrate automation capabilities. Its innovative features make it the drive of choice for material handling OEMs and integrators entering – and rising to the challenges of – the smart machine era.

* From 1 HP to 100 HP in heavy duty with 3-phase supply voltage from 380 to 480 V



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Life Is On

Schneider
Electric

Capabilities to meet high performance conveying and material handling application requirements

The ATV340 improves the capabilities and availability of high-performance machines while reducing build costs thanks to:

- **Superior machine performance.** With a maximum torque availability of 1.8 In and optimized speed bandwidth of up to 400 Hz, the ATV340 is ideal for dynamic applications with rapid acceleration. Its frequency inverters can handle high overloads in demanding applications up to 220% nominal torque.
- **Faster reaction time.** A combination of fast application reaction time with a minimum 1 ms task cycle and Ethernet connectivity maximizes your machine's throughput.
- **Simplified machine engineering.** Built-in multiprotocol Ethernet, a variety of interfaces, an embedded encoder, and integrated application functions offer maximum flexibility in design. Adaptable and scalable, the ATV340 is compatible with a variety of asynchronous, synchronous, and reluctance motors.
- **Reduced design time.** Complete project replication is possible with one-button auto-tuning for motor identification and supports efficient machine commissioning and production. Additionally, ready-to-use Tested, Validated, and Documented Architectures (TDVAs) and SoMachine software facilitate seamless automation integration.
- **Comprehensive functional safety and security.** With embedded STO (SIL3) and a full range of safety functions, the ATV340 is compliant with machine related safety standards EN ISO 13849-1 and EN 62061. The ATV340 also has Achilles level 2 cyber-security certification to protect people and assets while ensuring continuity of service.
- **Sustainable productivity.** The ATV340 extends machine availability in harsh environments with high levels of dust and vibration and operating temperatures up to 60°C. Remote monitoring via the embedded web server enable predictive maintenance while the MachineStruxure™ Faulty Device Replacement service allows fast machine recovery.

220%

Nominal torque

1 ms

Application cycle time

Designed exclusively for applications in material handling:



Conveyor Equipment



Cranes and Hoisting



For more information and product references visit

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