

Descrizione del Prodotto

Il variatore di velocità Altivar Machine ATV320 è progettato per controllare motori asincroni e sincroni in applicazioni industriali e commerciali. Il modello ATV320D15N4B supporta motori con una potenza nominale fino a 15 kW e una tensione di alimentazione da 380 a 500 V. Il formato "book" consente un'installazione compatta, ideale per l'integrazione in quadri elettrici con spazio limitato. Questo variatore offre connettività avanzata, inclusi protocolli come CANopen e Modbus, facilitando l'integrazione in architetture di automazione senza necessità di apparecchiature di rete aggiuntive.

Caratteristiche Tecniche

- **Potenza Motore:** 15 kW (20 HP)

([se.com](https://www.se.com/us/en/product/ATV320D15N4B/variable-speed-drive-altivar-machine-atv320-15kw-380-to-500v-3-phases-book?utm_source=openai))

- **Tensione di Alimentazione:** 380...500 V AC, 3 fasi

([se.com](https://www.se.com/us/en/product/ATV320D15N4B/variable-speed-drive-altivar-machine-atv320-15kw-380-to-500v-3-phases-book?utm_source=openai))

- **Corrente di Uscita Nominale:** 33 A

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- **Frequenza di Uscita:** 0,1...599 Hz

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- **Grado di Protezione:** IP20

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- **Filtri EMC:** Classe C3 integrato

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- **Ingressi Analogici:** 3

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- **Ingressi Digitali:** 7

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- **Uscite Analogiche:** 1

([se.com](https://www.se.com/us/en/product/ATV320D15N4B/variable-speed-drive-altivar-m

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- **Uscite Digitali:** 3

([se.com](https://www.se.com/us/en/product/ATV320D15N4B/variable-speed-drive-altivar-machine-atv320-15kw-380-to-500v-3-phases-book?utm_source=openai))

- **Uscite a Relè:** 2

([se.com](https://www.se.com/us/en/product/ATV320D15N4B/variable-speed-drive-altivar-machine-atv320-15kw-380-to-500v-3-phases-book?utm_source=openai))

- **Protocolli di Comunicazione:** Modbus, CANopen

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- **Dimensioni (L x A x P):** 180 x 404 x 232 mm

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- **Peso:** 6,9 kg

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Funzionalità Principali

- **Controllo Motore:** Supporta motori asincroni e sincroni, inclusi motori IE2, IE3 e PM

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- **Connettività:** Protocolli integrati Modbus e CANopen; opzioni per EtherNet/IP, Profinet, Profibus DP V1, EtherCAT e DeviceNet

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- **Funzioni di Sicurezza:** Safe Torque Off (STO), Safe Stop 1 (SS1), Safely Limited Speed (SLS)

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- **Efficienza Energetica:** Ottimizzato per applicazioni di ventilazione e pompaggio, con risparmi energetici fino al 30%

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- **Design Compatto:** Formato "book" per un'installazione efficiente in spazi ristretti

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Applicazioni Tipiche

- **Macchine Industriali:** Imballaggi, movimentazione materiali, attuatori meccanici, dispositivi di sollevamento

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- **Applicazioni Commerciali:** Sistemi HVAC, pompe, ventilatori

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Documentazione

Per ulteriori dettagli tecnici e istruzioni di installazione, consultare la scheda tecnica disponibile sul sito ufficiale di Schneider Electric.

([se.com](https://www.se.com/us/en/product/ATV320D15N4B/variable-speed-drive-altivar-machine-atv320-15kw-380-to-500v-3-phases-book?utm_source=openai))