

SVAC3 Servo Drives

Digital Servo Drives with Multiple Control Options



Product Features

- *Digital servo drives in a compact package*
- *DSP-based current control*
- *120 or 220 VAC operation*
- *Multiple control modes including analog torque/velocity, step & direction, and stored-program modes*
- *10/100 Mbit Ethernet port*
- *Jerk filter for S-curve acceleration*
- *Matched set of brushless servo motors with high-resolution, incremental encoders*

Series Details

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The SVAC3 series servo drives are compact and cost-effective. They include a simple tuning interface with advanced features like jerk filtering for S-curve acceleration. Compatible with a variety of servo motors equipped with high-resolution commutating encoders, the SVAC3 servo drives are a great choice for many OEM applications.

Power to the SVAC3 drives comes from 120 or 220 volts AC (single-phase). Complementing the SVAC3 drives, Applied Motion offers a specially matched set of brushless servo motors in NEMA 17, 23, 34, and Metric 40 and 60 mm frame sizes. The SVAC3-120 is powered from 120 VAC and outputs up to 3.5 A continuous, 7.5 A peak. The SVAC3-220 is powered from 220 VAC and outputs up to 1.8 A continuous, 3.75 A peak.

There are 3 control options available with the SVAC3 servo drives: S, Q and IP.

- “S” drives can operate in analog torque/velocity, pulse & direction, and streaming serial (SCL) control modes. Select the control mode, tune the servo motor and configure the drive using the [Quick Tuner™](#) software.
- “Q” drives can operate in all of the same control modes as S drives, plus they have the ability to run stand-alone Q programs stored in non-volatile memory. Q programs are created using the [Q Programmer™](#) software, and provide multi-tasking, math functions, conditional processing, data register manipulation, and more features in a robust yet simple text-based programming language. Like S drives, Q drives must first be set up and tuned using the [Quick Tuner™](#) software.
- “IP” drives come with built-in EtherNet/IP network communications, the widely used industrial protocol for manufacturing automation applications. With EtherNet/IP, users can control, configure and query the drive using an open, standards-based, industrial Ethernet connection at speeds up to 100 Mbits/sec. The SVAC3-IP drives run all of the same control modes as Q drives, with the addition that all drive features can be accessed over EtherNet/IP, including more than 100 commands and 130 registers for controlling motion, I/O, configuration, polling, math, register manipulation, and Q programming. SVAC3-IP drives are set up and configured using [Quick Tuner™](#), while Q programs are created using [Q Programmer™](#).

For connecting to external devices such as limit switches, proximity or photoelectric sensors, PLC I/O, lamps, and other devices, SVAC3-S drives include 4 digital inputs, 2 digital outputs, and 1 analog input. SVAC3-Q and SVAC3-IP drives include 12 digital inputs, 6 digital outputs, and 1 analog input.

All SVAC3 servo drives include Ethernet ports for configuration and programming. The Ethernet ports are fast 10/100 Mbit, and support both TCP and UDP communication packets. The Ethernet ports of IP drives support EtherNet/IP communications as well.

SVAC3 drives are UL Recognized (File No. E332730), CE approved, and RoHS compliant.

Products in the Series *SVAC3 Servo Drives*

There are no Servo Drives that match the selected criteria. Please try again.