



The drive with built-in features for faster commissioning and proven reliability at an exceptional value

Kollmorgen Essentials™

Servo Drive



The Kollmorgen Essentials™ Drive provides the performance, versatility and ease you need. It comes standard with premium capabilities, including high-resolution multi-turn feedback and precise positioning accuracy with synchronized positioning over Industrial Ethernet.

High Performance

- **High-speed registration** and precise axis control for repeatable results in applications like packaging, labeling, web handling, indexing and general industrial motion.
- **Multi-axis synchronization** via EtherCAT®, CIP Sync™ or PROFINET® IRT allows you to standardize your drive cabinet and synchronize your axes.
- **Certified Safe Torque Off (STO) function** up to SIL 2 / PL d supports emergency stops and prevents the system from restarting unexpectedly.
- **Single-phase operation with no derating** delivers full performance for applications using single-phase AC supply, reducing cost, space and need for a larger unit.

Global Compatibility

- **Multiple communication protocols onboard**, including EtherCAT®, EtherNet/IP™ and PROFINET® enable flexible integration and global compatibility without needing to stock multiple drives.

Simplified Commissioning

- **Fast setup in less than 20 minutes** with Kollmorgen's Workbench Express Setup layout and configuration tool.
- **Plug-and-play configuration** saves time by communicating motor and feedback parameters directly to the drive.

Fully Integrating Your System

The Kollmorgen Automation Suite™ (KAS), controllers, drives, motors, I/O and cables all come together in an integrated system to fully automate and control every axis of your entire application. KAS harnesses the full performance potential of our leading servo motors and perfectly matched drives, including the Kollmorgen Essentials system, to deliver unrivaled power density and control.

From industrial facilities to lower-axis-count applications, the complete Essentials system with the new PCMM2G Essentials controller lets you scale performance and cost to meet motion needs across the full spectrum of machine design.



120-240 VAC, 1-3φ Models	Continuous Current	Peak Current	Typical Shaft Power	Height	Width	Depth	Depth w/ cable bend radius
	(Arms)	(Arms)	(kW)	mm (in)	mm (in)	mm (in)	mm (in)
KED-SPM-6V03S-A100-0000-A	3	9	0.625	172 (6.77)	60 (2.36)	165 (6.50)	225 (8.86)
KED-SPM-6V06S-A100-0000-A	6	18	1.25				
KED-SPM-6V12S-A100-0000-A	12	30	2.5	200 (7.87)	70 (2.75)	202 (7.95)	262 (10.31)

240-480 VAC, 3φ Models	Continuous Current	Peak Current	Typical Shaft Power	Height	Width	Depth	Depth w/ cable bend radius
	(Arms)	(Arms)	(kW)	mm (in)	mm (in)	mm (in)	mm (in)
KED-SPM-7V03S-A100-0000-A	3	9	1.2	200 (7.87)	70 (2.75)	202 (7.95)	262 (10.31)
KED-SPM-7V06S-A100-0000-A	6	18	2.5				
KED-SPM-7V12S-A100-0000-A	12	30	5	220 (8.66)			

For More Information

Visit our [Kollmorgen Essentials Product Page](#)