

ABB ROBOTS

Product Data Sheet

3HAC029032-009

industrial servo motor

FUNCTION industrial servo motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 18.00 kg
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ABB Robots 3HAC029032-009 is a industrial servo motor for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rated Power	5.0 kW
Rated Speed	3000 RPM (high-speed capability with variable speed control)
Rated Voltage	400 V (3-phase AC)
Rated Current	12.5 A
Rated Frequency	50 Hz
Torque Constant	22 Nm/A
Service Factor	1.2
Exact Article Code	3HAC029032-009
Product Family	ABB Robots
Component Type	Industrial Servo Motor

Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board

- Monitor form-fill-seal with Industrial Servo process control: Within the film feed, sealing jaws and discharge belts, 3HAC029032-009 handles its designated signal or control duty as a industrial servo motor. During speed ramp, the system uses this function to correct material position before sealing or cutting, helping it keep seals and cuts aligned with the product.
- Protect test-stand control with Industrial Servo: Across the load actuators and measurement channels, 3HAC029032-009 supports the configured automation role as a industrial servo motor. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.
- Monitor dryer-section control with Industrial Servo: At the control layer of the steam groups and dryer drives, 3HAC029032-009 supports the configured automation role as a industrial servo motor. During moisture correction, the system uses this function to align thermal and drive response with the running sheet, helping it support the target moisture profile.

Match 3HAC029032-009 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Robots documentation](#)

<https://new.abb.com/control-systems>

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