

ABB ROBOTS

Product Data Sheet

3HAC037163-003

industrial servo motor

FUNCTION industrial servo motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.55 kg
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ABB Robots 3HAC037163-003 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	7.5 kW
Rated Speed	3000 RPM (variable speed operation)
Rated Voltage	400 V (3-phase AC)
Rated Current	16 A
Rated Frequency	50 Hz
Torque Constant	28 Nm/A
Service Factor	1.4
Exact Article Code	3HAC037163-003
Product Family	ABB Robots
Component Type	Industrial Servo Motor

ADDITIONAL PRODUCT DATA

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

OFFICIAL APPLICATIONS

- Integrate inspection handling with Industrial Servo: Across the camera stations and reject mechanisms, 3HAC037163-003 provides its specified system function as a industrial servo motor. During inspection retry, the system uses this function to return the part to a repeatable inspection pose, helping it produce a comparable inspection result.
- Regulate dryer-section control with Industrial Servo: As part of the steam groups and dryer drives, 3HAC037163-003 performs its assigned control 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.
- Synchronize form-fill-seal with Industrial Servo: In the automation chain for the film feed, sealing jaws and discharge belts, 3HAC037163-003 operates in its approved product-family role 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.

SYSTEM COMPATIBILITY

Match 3HAC037163-003 to the installed ABB Robots, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Robots documentation](#)

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

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM