

ABB ROBOTS

Product Data Sheet

3HAC021798-003

industrial servo motor

FUNCTION industrial servo motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.55 kg
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ABB Robots 3HAC021798-003 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

Type	AC Servo Motor
Frame Size	90 mm
Rated Power	0.75 kW
Rated Speed	3000 RPM
Rated Torque	2.4 Nm
Peak Torque	7.2 Nm
Efficiency Class	IE2
Exact Article Code	3HAC021798-003
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

- Sequence web transport with Industrial Servo process control: For the coordinated operation of the unwinders, dancers and pull rolls, 3HAC021798-003 serves its documented function as a industrial servo motor. During format change, the system uses this function to synchronize the driven sections with product position, helping it protect web tension and print registration.
- Sequence component placement with Industrial Servo: In the automation chain for the feeders, gantries and placement heads, 3HAC021798-003 handles its designated signal or control duty as a industrial servo motor. During registration update, the system uses this function to align the workpiece datum with the process position, helping it keep the operation referenced to the product feature.
- Protect stock preparation with Industrial Servo: During operation of the pulp chests and refiners, 3HAC021798-003 operates in its approved product-family role as a industrial servo motor. During grade change, the system uses this function to coordinate flow, consistency and equipment permissives, helping it deliver stable stock to the machine.

SYSTEM COMPATIBILITY

Match 3HAC021798-003 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