

ABB ROBOTS

Product Data Sheet

3HAC058990-005

industrial robot motor

FUNCTION industrial robot motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.55 kg
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ABB Robots 3HAC058990-005 is a industrial robot 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 kW
Rated Speed	3000 RPM (Variable Speed)
Rated Voltage	400 V (3-phase AC)
Rated Current	10 A
Rated Frequency	50 Hz
Insulation Class	F (up to 155°C)
Torque Constant	15 Nm/A
Exact Article Code	3HAC058990-005
Product Family	ABB Robots
Component Type	Industrial Robot 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

- Support aseptic filling with Industrial Robot: Within the fillers and container conveyors, 3HAC058990-005 handles its designated signal or control duty as a industrial robot motor. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.
- Sequence aeration control with Industrial Robot: Within the blowers and dissolved-oxygen loops, 3HAC058990-005 handles its designated signal or control duty as a industrial robot motor. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.
- Integrate body transfer with Industrial Robot: During operation of the skid conveyors and lift stations, 3HAC058990-005 provides its specified system function as a industrial robot motor. During model change, the system uses this function to coordinate motion requests and station interlocks, helping it keep the assembly takt moving.

Match 3HAC058990-005 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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