

ABB ROBOTS

Product Data Sheet

3HAC058991-005

industrial ac motor

FUNCTION industrial ac motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 1.55 kg
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ABB Robots 3HAC058991-005 is a industrial ac motor for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Frame Size	160 mm
Rated Power	11 kW
Rated Speed	1500 RPM (Synchronous Speed)
Rated Voltage	400 V (3-phase AC)
Rated Current	20 A
Rated Frequency	50 Hz
Efficiency Class	IE3 (Premium Efficiency)
Cooling Method	IC411 (Self-ventilated, Fan-cooled)
Protection Class	IP55 (Dust-tight and protected against water jets)
Insulation Class	F (up to 155°C)

Exact Article Code	3HAC058991-005
Product Family	ABB Robots
Component Type	Industrial Ac Motor
Assembly Class	ABB PCB assembly
System Interface	ABB Robots control interface

- Supervise pallet transfer with Industrial Ac process control: As part of the turntables, lifts and shuttle cars, 3HAC058991-005 handles its designated signal or control duty as a industrial ac motor. During blocked-zone recovery, the system uses this function to re-establish the transfer path after the obstruction clears, helping it resume flow without losing tracking data.
- Monitor filtration backwash with Industrial Ac: Within the filter cells and backwash valves, 3HAC058991-005 performs its assigned control role as a industrial ac motor. During filter loading, the system uses this function to sequence isolation, drain and rinse paths, helping it return the filter to production in a known state.
- Track robotic handling with Industrial Ac process control: Inside the robots, grippers and transfer fixtures, 3HAC058991-005 performs its assigned control role as a industrial ac motor. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.

Match 3HAC058991-005 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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