

ABB ROBOTS

# Product Data Sheet

**3HAC17342-1**

industrial ac motor

|                                        |                             |                         |                          |
|----------------------------------------|-----------------------------|-------------------------|--------------------------|
| FUNCTION<br><b>industrial ac motor</b> | FAMILY<br><b>ABB Robots</b> | ORIGIN<br><b>Sweden</b> | WEIGHT<br><b>1.55 kg</b> |
|----------------------------------------|-----------------------------|-------------------------|--------------------------|

ABB Robots 3HAC17342-1 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         | 200 mm                                             |
| Rated Power        | 45 kW                                              |
| Rated Speed        | 1500 RPM (Synchronous Speed)                       |
| Rated Voltage      | 400 V (3-phase AC)                                 |
| Rated Current      | 80 A                                               |
| Rated Frequency    | 50 Hz                                              |
| 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 | 3HAC17342-1                                        |

## ADDITIONAL PRODUCT DATA

|                  |                                |
|------------------|--------------------------------|
| Product Family   | ABB Robots                     |
| Component Type   | Industrial Ac Motor            |
| Assembly Class   | ABB PCB assembly               |
| System Interface | ABB Robots control interface   |
| Control Supply   | Documented rack control supply |

## OFFICIAL APPLICATIONS

- Observe automated storage with Industrial Ac process control: For the coordinated operation of the stacker cranes and storage positions, 3HAC17342-1 provides its specified system function as a industrial ac motor. During buffer release, the system uses this function to release material according to downstream availability, helping it prevent overfilling the next buffer.
- Verify robotic handling with Industrial Ac process control: During operation of the robots, grippers and transfer fixtures, 3HAC17342-1 supports the configured automation 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.
- Route chemical dosing with Industrial Ac process control: Within the metering pumps and contact tanks, 3HAC17342-1 provides its specified system function as a industrial ac motor. During dose-setpoint correction, the system uses this function to match reagent flow to the measured process load, helping it keep treatment chemistry inside its operating target.

## SYSTEM COMPATIBILITY

Match 3HAC17342-1 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

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