

ABB ROBOTS

# Product Data Sheet

**3HAC047574-002**

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 3HAC047574-002 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                | 132 mm                       |
| Rated Power               | 18.5 kW                      |
| Rated Speed               | 1500 RPM (Synchronous Speed) |
| Rated Voltage             | 400 V (3-phase)              |
| Rated Current             | 35.5 A                       |
| Rated Frequency           | 50 Hz                        |
| Ambient Temperature Range | -20°C to +40°C               |
| Exact Article Code        | 3HAC047574-002               |
| Product Family            | ABB Robots                   |
| Component Type            | Industrial Ac 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

- Monitor automated storage with Industrial Ac process control: In the automation chain for the stacker cranes and storage positions, 3HAC047574-002 operates in its approved product-family role 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.
- Control turbine auxiliary control with Industrial Ac: Within the lube-oil pumps and turning gear, 3HAC047574-002 serves its documented function as a industrial ac motor. During unit run-up, the system uses this function to coordinate permissives and auxiliary equipment states, helping it support a stable transition to rated operation.
- Integrate robotic joining with Industrial Ac process control: At the control layer of the robots, fixtures and clamp groups, 3HAC047574-002 provides its specified system function as a industrial ac motor. During station restart, the system uses this function to confirm tooling readiness before the cycle starts, helping it prevent an incomplete joining cycle.

## SYSTEM COMPATIBILITY

Match 3HAC047574-002 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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