

ABB ROBOTS

Product Data Sheet

3HAC028018-003

industrial gear-motor

FUNCTION industrial gear-motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 12.00 kg
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ABB Robots 3HAC028018-003 is a industrial gear-motor for the ABB Robots. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rated Power	1.5 kW
Rated Speed	1500 RPM
Rated Voltage	400 V (3-phase AC)
Rated Current	4 A
Rated Frequency	50 Hz
Insulation Class	F
Gear Ratio	10:1
Exact Article Code	3HAC028018-003
Product Family	ABB Robots
Component Type	Industrial Gear-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

- Track generator excitation with Industrial Ar: During operation of the field circuits and voltage regulation, 3HAC028018-003 serves its documented function as a industrial ar-motor. During load change, the system uses this function to adjust the assigned regulation path from operating feedback, helping it hold the electrical variable at its commanded target.
- Verify raw-water pumping with Industrial Ar process control: Inside the intake pumps and wet wells, 3HAC028018-003 operates in its approved product-family role as a industrial ar-motor. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.
- Synchronize clean-in-place transfer with Industrial Ar: During operation of the CIP supply and return headers, 3HAC028018-003 serves its documented function as a industrial ar-motor. During sanitation transition, the system uses this function to coordinate valve paths and pump availability, helping it complete sanitation without cross-routing product.

SYSTEM COMPATIBILITY

Match 3HAC028018-003 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

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