

ABB ROBOTS

Product Data Sheet

3HAC021731-001

industrial motor

FUNCTION industrial motor	FAMILY ABB Robots	ORIGIN Sweden	WEIGHT 3.44 kg
-------------------------------------	-----------------------------	-------------------------	--------------------------

ABB Robots 3HAC021731-001 is a industrial motor for the ABB Robots. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Supply Voltage	220 V AC
Rated Power	1.5 kW
Rated Speed	1400 min
Max Output Torque	150 Nm
Dynamic Response	2 000 Hz bandwidth
Operating Temp	-15 °C to +55 °C
Exact Article Code	3HAC021731-001
Product Family	ABB Robots
Component Type	Industrial Motor
Assembly Class	ABB PCB assembly

ADDITIONAL PRODUCT DATA

System Interface	ABB Robots control interface
Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals

OFFICIAL APPLICATIONS

- Supervise machine-tool automation with Industrial Motor: Within the spindles, axes and tool changers, 3HAC021731-001 handles its designated signal or control duty as a industrial motor. During cycle start, the system uses this function to coordinate the equipment states required by the active cycle, helping it complete the machining step with traceable status.
- Supervise ingredient dosing with Industrial Motor: At the control layer of the batch vessels and dosing valves, 3HAC021731-001 supports the configured automation role as a industrial motor. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Stabilize raw-water pumping with Industrial Motor: In the automation chain for the intake pumps and wet wells, 3HAC021731-001 performs its assigned control role as a industrial motor. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.

SYSTEM COMPATIBILITY

Match 3HAC021731-001 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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM