

3HAC037635-002

Industrial automation components

Manufacturer	Abb
Catalog number	3hac037635-002
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	ABB
Part Number	3HAC037635-002
Product Type	Six-axis Reducer
Robot Model Compatibility	IRB 6600 M2000, M2000A, M2004
Gear Ratio	1:100
Maximum Torque	150 Nm
Input Speed	3000 RPM
Operating Temperature Range	-20°C to +50°C
Dimensions	204 mm x 175 mm x 96 mm
Weight	12 kg

Description

The ABB 3HAC037635-002 is a high-performance six-axis reducer designed for the ABB IRB 6600 series industrial robots, including models M2000, M2000A, and M2004. This component is engineered to provide precise and reliable motion control, ensuring optimal performance in demanding industrial applications such as precision assembly, material handling, and welding. Key features include a gear ratio of 1:100, maximum torque capacity of 150 Nm, and an input speed of 3000 RPM, facilitating efficient power transmission and motion control. The reducer operates within an ambient temperature range of -20°C to +50°C, making it suitable for diverse industrial environments. Its compact dimensions (204 mm x 175 mm x 96 mm) and lightweight design (12 kg) enable seamless integration into robotic arms and other automation systems, optimizing space utilization and enhancing system efficiency. The 3HAC037635-002 is constructed with high-strength aluminum alloy, ensuring durability and extended service life. It is grease-lubricated, reducing maintenance requirements and downtime. This reducer is compatible with ABB's comprehensive suite of automation software, enabling seamless integration into existing or new control systems, facilitating easy setup and customization for diverse industrial applications.