

## 3HAC057546-003

Industrial automation components

<b>Manufacturer</b>	Abb
<b>Catalog number</b>	3hac057546-003
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	4.54 kgs kg
<b>Product Type</b>	Integrated Motor with Pinion
<b>Rated Power</b>	7.065 kW
<b>Torque</b>	15 Nm
<b>Operating Voltage</b>	400V
<b>Protection Rating</b>	IP65
<b>Cooling Type</b>	Air-cooled
<b>Compatibility</b>	IRB 6640, IRB 6600/6650 Type B, IRB 6650S
<b>Dimensions</b>	425 mm x 180 mm x 180 mm

### Description

The ABB 3HAC057546-003 is a high-performance industrial motor designed for demanding applications, offering exceptional reliability and efficiency. This motor is engineered to provide precise control and smooth operation in heavy-duty industrial settings, ensuring optimal performance and longevity. It is particularly suitable for integration into robotic systems, such as the ABB IRB 6640, IRB 6600/6650 Type B, and IRB 6650S models, where precise motion control is essential. The motor features a robust construction, incorporating an integrated pinion gear that facilitates seamless gear ratio adjustments, enhancing system dynamics and productivity. With a rated power of 7.065 kW and a torque output of 15 Nm, it delivers substantial power and torque to meet the demands of various industrial processes. The operating voltage is 400V, compatible with standard industrial power supplies, and it operates efficiently across a frequency range of 50/60 Hz. The motor's design includes an IP65 protection rating, ensuring resistance to dust and water ingress, which is crucial for maintaining performance in harsh industrial environments. Additionally, it is air-cooled, promoting efficient thermal management during operation. The ABB 3HAC057546-003 motor is a reliable and efficient solution for industrial automation, offering durability and high performance for demanding applications.