

RAC3.5-100-460-A0I-W1-220

Industrial automation components

Manufacturer	Indramat
Catalog number	rac35-100-460-a0i-w1-220
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	72.57 kgs
Product Type	Drive
Signal Level	460 V
Voltage	400 - 460 V
Current	100 A
Signal Type	460
Relay Specifications	460 VAC

Description

The Indramat RAC3.5-100-460-A0I-W1-220 is a high-performance AC main spindle drive controller designed for precision spindle management in industrial automation applications. Operating at a rated voltage of 3 x AC 400 V, 50 Hz ($\pm 15\%$) or 3 x AC 460 V, it delivers a rated current of 100 A, ensuring reliable performance in demanding environments. The controller accepts an analogue speed command input of ± 10 V, facilitating precise speed control. It features an incremental encoder output interface and utilizes an X4, 9-pole interface terminal for seamless integration. Cooling is managed by an internal blower with a built-in fan, maintaining optimal operating temperatures. The control electronics operate on AC 230 V, 50-60 Hz, and the device is part of Series 3, Version 5. This model is suitable for integration into control cabinets and is designed to function within a temperature range of $+5^{\circ}\text{C}$ to $+45^{\circ}\text{C}$, with tolerance up to $+55^{\circ}\text{C}$, and at altitudes up to 1000 meters. The enclosure provides IP 10 protection, ensuring durability and reliability in various industrial settings.