Indramat

DATA SHEET

RAC3.5-150-460-A0I-Z1-220

Industrial automation components

Manufacturer	Indramat
Catalog number	rac35-150-460-a0i-z1-220
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Device Type	AC Main Spindle Drive Controller
Continuous Controller Output	35 kW
Peak Controller Output	40 kW
Rated Supply Voltage	3 x AC 380–460 V, ±10%, 50–60 Hz
Control Voltage	AC 230 V, ±10%, 50–60 Hz
Speed Command Input	Analogue (±10 V)
Encoder Output	Incremental Encoder Output
Cooling	Internal Blower
Operating Temperature Range	+5 to +45 °C
Protection Category	IP 10
Weight	49 kg

Description

The Indramat RAC3.5-150-460-A0I-Z1-220 is a high-performance AC main spindle drive controller engineered for demanding industrial applications. Designed to deliver precise control in numerically controlled machine tools, this controller offers a continuous output of 35 kW at a rated current of 150 A, with a peak output of 40 kW for short bursts of high demand. It operates on a rated supply voltage of 3 x AC 380–460 V, ±10%, 50–60 Hz, and features a dedicated control voltage of AC 230 V, ±10%, 50–60 Hz interface. The controller is equipped with an internal blower for efficient cooling and includes an additional bleeder for enhanced heat dissipation. It supports an analogue speed command input of ±10 V and provides an incremental encoder output for precise position control. The device is designed to operate within an ambient temperature range of +5 to +45 °C and conforms to Protection category IP 10 per EN 60 529 standards. With a weight of 49 kg, it is built for robust industrial use, ensuring stability and precision for critical spindle-speed regulation tasks.