

RAC3.5-150-460-A0I-W1-220

Industrial automation components

Manufacturer	Indramat
Catalog number	rac35-150-460-a0i-w1-220
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	52.16 kgs
Product Type	Drive
Relay Specifications	460 VAC
Voltage	400 - 460 V
Current	150 A
Signal Type	460
Signal Level	460 V

Description

The Indramat RAC3.5-150-460-A0I-W1-220 is a high-performance AC main spindle drive controller designed for demanding industrial applications. Operating within the RAC Spindle Drive Controllers series, this unit delivers a continuous controller current of 150 A and a continuous controller output of 35 kW, with a peak controller output of 40 kW for short bursts of high demand. It supports a rated connection voltage of 3 x AC 400 V, 50 Hz, ±15% or 3 x AC 460 V, and requires a control electronics supply of AC 230 V, 50–60 Hz. The controller features an internal blower for cooling, ensuring sustained performance without thermal derating during extended duty cycles. It includes an incremental encoder output for precise position control and operates within an ambient temperature range of +5 °C to +45 °C, with an allowable installation altitude up to 1000 meters above sea level. The device is housed in a robust enclosure with a protection category of IP10, conforming to EN 60529 standards, and is rated for operational humidity class F (DIN 40040). This controller is ideal for applications requiring precise spindle speed regulation and high torque stability, such as CNC milling and turning centers.