# Indramat

DATA SHEET

# MAC112D-0-HD-2-C/130-A-2/S013

Industrial automation components

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|---|---|
| **Manufacturer** | Indramat |
| **Catalog number** | mac112d-0-hd-2-c130-a-2s013 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Frame Size** | 112D |
| **Power Rating** | 130 W |
| **Speed Range** | 0 - 4500 RPM |
| **Protection Class** | IP65 |
| **Cooling Method** | Natural Convection |
| **Encoder Type** | Incremental encoder 2048 pulses per revolution |
| **Feedback Type** | Resolver feedback |
| **Holding Brake Torque** | 11 Nm |
| **Inertia** | 0.00156 kg·m² |
| **Weight** | 11 kg |

## Description

The Indramat MAC112D-0-HD-2-C/130-A-2/S013 is a high-performance AC servo motor engineered for precision motion control in industrial automation applications. Designed by Indramat, a leader in motion control technology, this motor offers exceptional reliability and efficiency. It features a flange-mounted design with a frame size of 112D, delivering a power rating of 130. The motor operates within a speed range of 0 to 4500 RPM, providing versatility for various applications. Its protection class IP65 ensures robust resistance against dust and water ingress, making it suitable for demanding environments. The motor utilizes natural convection cooling, eliminating the need for additional cooling systems. Equipped with an incremental encoder with a resolution of 2048 pulses per revolution, it delivers precise position feedback. The resolver feedback system enhances closed-loop control accuracy, ensuring smooth and accurate motion. A holding brake with a torque of 11 Nm provides secure stopping under load conditions. The motor's low inertia of 0.00156 kg·m² facilitates rapid acceleration and deceleration, enhancing system responsiveness. With a weight of 11 kg and a slim profile, it integrates seamlessly into high-density machinery layouts without compromising performance. The motor's standardized motor length D ensures compatibility with existing mounting schemes, simplifying integration into various systems. Overall, the Indramat MAC112D-0-HD-2-C/130-A-2/S013 servo motor offers a balanced combination of compactness, power, and control integration, making it a reliable choice for next-generation industrial automation systems.