

Order Code - 25268466.1.15 **Asynchronus Motor Construction Kit**



Overview

This educational and technical kit provides all mechanical and magnetic components required to assemble a 2-pole, squirrel cage, three-phase asynchronous motor rated at 1 kW—excluding the copper windings.

Designed for training, prototyping, and educational purposes, the kit enables users to understand and build the core structure of an induction motor from the ground up.

Included Components

- Stator Magnetic Core Pack: Laminated sheets for stator core assembly
- **Rotor Assembly:** Squirrel cage rotor (aluminum or die-cast)
- **Motor Housing / Frame:** Durable metallic housing to support internal components
- **Bearings and Shaft:** Pre-sized for standard motor alignment
- End Shields / Covers: Precision-milled to fit rotor and stator
- Fan and Fan Cover (optional): For basic IC411 cooling simulation
- Fasteners and Mounting Accessories: Screws, bolts, and spacers
- **Terminal Block / Connection Lugs:** For connecting stator windings (post-installation)

Note: Copper winding wire is not included and must be sourced separately based on winding design.

Key Specifications

Motor Type: Squirrel Cage Induction Motor

Configuration: 2 Poles **Power Rating:** 1 kW

Phase: Three-phase

Note: SpeSuitable for Woltage Classes: 220 W 380 M (as per winding design)

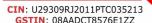


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Tesca Technologies Pvt. Ltd.



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Educational Objectives & Applications

- Demonstrate motor construction principles
- Practice winding techniques
- Study air gap symmetry and electromagnetic alignment
- Analyze starting and performance behavior of assembled motor
- Use in technical colleges, engineering labs, and vocational training

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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