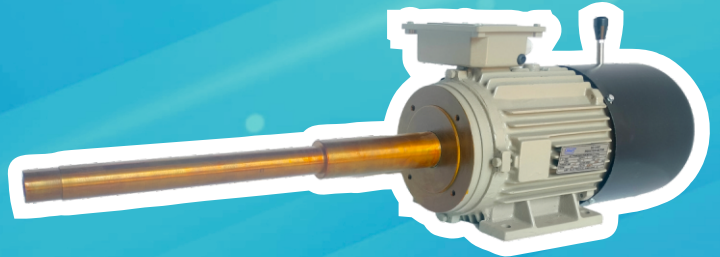
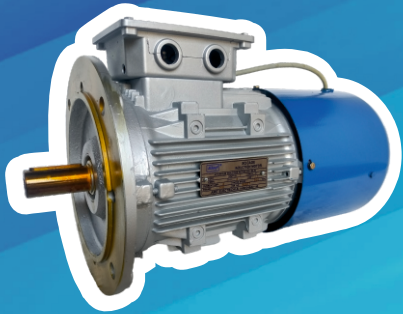
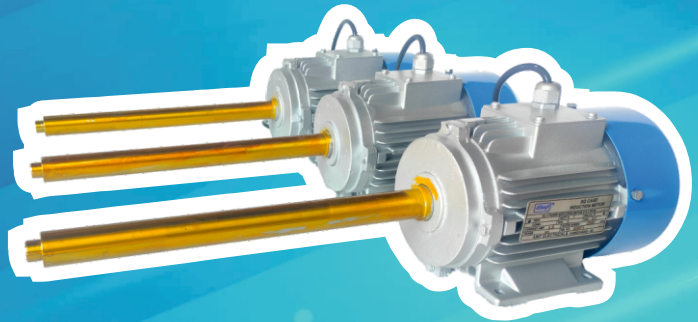




AMIT ELECTRICALS

Winder Torque Motor & Cable Reel Drum Winder Motor



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Winder Torque Motor

We are a manufacturer, supplier, and exporter of “ATLAS” brand Winder Torque Motors. These AC motors are used in applications where motor RPM needs to be adjusted while maintaining constant torque. They are commonly used in winding and unwinding applications. The speed of the Winder Torque Motor is controlled by providing a three-phase variac in series with the stator winding.

Specifications

RANGE OF PRODUCTIONS (3 Phase)

- ✓ 0.25 to 15 HP (0.18 to 11 kW)
- ✓ Frame : 63 to 180L
- ✓ Pole : 2, 4, 6, 8, 10 & 12

Frame

- ✓ Robust, rugged cast iron frame with integral feet.
- ✓ Aluminium body option available up to 100L frame on request.
- ✓ Higher frame size suggested for continuous low RPM applications.

Insulation

- ✓ Class “F” insulation as standard feature.
- ✓ Also supply “H” on customer request.

Ratings

- ✓ Winder Torque Motors are designed for continuous operation.
- ✓ Supplied with S1 duty rating.

Voltage & Frequency

- ✓ Voltage : $415 \pm 5\%$
- ✓ Frequency : $50 \text{ Hz} \pm 3\%$
- ✓ Different voltage like 220, 380, 460, & 525 on 50 Hz or 60 Hz are also available.

Shaft & Rotor

- ✓ Rotor is positively locked to prevent movement under full load torque.
- ✓ Shaft and rotor are made from EN-8 material.
- ✓ Dynamically balanced rotor ensures low vibration and noise.

Protection

- ✓ Ingress Protection (IP) 44 as defined in IS : 4691.

Enclosure

- ✓ Winder Torque Motors are supplied with T.E.F.C. and T.E.S.C. enclosures.
- ✓ For applications below 75% RPM, force cooling is provided.
- ✓ Force cooling extends winding life and ensures trouble-free operation.

Thermal Over Protection

- ✓ T.O.P. (Thermal Overload Protector) switch on customer demand.
- ✓ Added safety against overload protection.

Bearing & Lubrication

- ✓ Lubricated with lithium based high temp. upto 150°C .
- ✓ C3 ball bearing & fully charged with lithium base grease.

Terminal Box

- ✓ Terminal box on **Top Position** for foot mounted (B3).
Left or Right Position on demand.

Earthing Terminals

- ✓ Minimum 2 earthing terminals provided.
- ✓ One in the terminal box and other on foot.

Paints

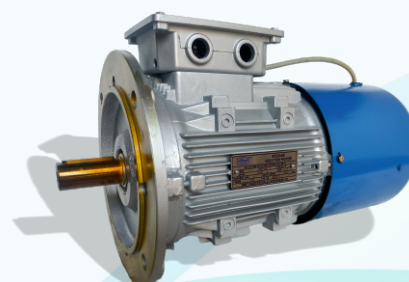
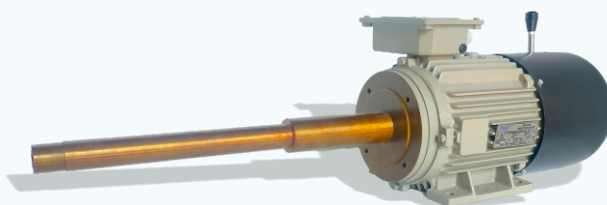
- ✓ Semi glossy synthetic enamel paint.
- ✓ Special paint is available on request.

Application

- ✓ Winder Torque Motors are used in textile, plastic, paper, steel, cable winding, and machine tools industries.
- ✓ Ideal for applications requiring material winding on drums or beams.

Features

- ✓ High-efficient
- ✓ Noise free
- ✓ Vibrating free
- ✓ Durable
- ✓ Smooth finishing
- ✓ Cost effective
- ✓ Precision design
- ✓ Accurate winding design



Cable Reel Drum Winder Motor (Stall Torque Motor)

The Cable Reel Drum Winder Stall Torque Motor's torque drops as it gets loaded, eventually reaching zero. After reaching zero speed, if the shaft is rotated by force in the opposite direction, the motor will resist this motion.

Specifications

RANGE OF PRODUCTIONS

- ✓ 1 NM to 20 NM
- ✓ Pole : 6, 8, 10, & 12

Frame

- ✓ Supplied in robust cast iron frame with integral feet.
- ✓ Aluminium body available up to 100L frame on request.
- ✓ Higher frame size recommended for continuous low RPM applications.

Insulation

- ✓ Class "F" insulation as standard feature.
- ✓ Also supply "H" on customer request.

Ratings

- ✓ Cable Reel Drum Winder Torque Motors are designed for continuous operation.
- ✓ Supplied with S1 duty rating.

Voltage & Frequency

- ✓ Voltage : $415 \pm 5\%$
- ✓ Frequency : $50 \text{ Hz} \pm 3\%$
- ✓ Different voltage like 220, 380, 460, & 525 on 50 Hz or 60 Hz are also available.

Protection

- ✓ Ingress Protection (IP) 44 as defined in IS : 4691.

Enclosure

- ✓ Motors are supplied with T.E.F.C. (Total Enclosed Fan Cooled).

Brake

- ✓ Supplied with fail-safe brake for both AC and DC motor types.
- ✓ Brake includes manual release feature.

Terminal Box

- ✓ Terminal box on **Top Position** for foot mounted (B3).
Left or Right Position on demand.

Earthing Terminals

- ✓ Winder Torque Motors include at least two earthing terminals.
- ✓ One terminal is in the box, and the other on the motor foot.

Application

- ✓ Stall Torque Motor Cable Reeling Drum is used for winding/unwinding cables in cranes, hoists, and moving machinery.
- ✓ Designed to operate continuously in a stalled position.
- ✓ Ideal for handling long cables beyond the range of spring-operated drums.

Features

- ✓ Highly efficient
- ✓ Noise Free
- ✓ Vibrating free
- ✓ Durable
- ✓ Smooth finishing
- ✓ Cost effective
- ✓ Precision design
- ✓ Accurate winding Design

