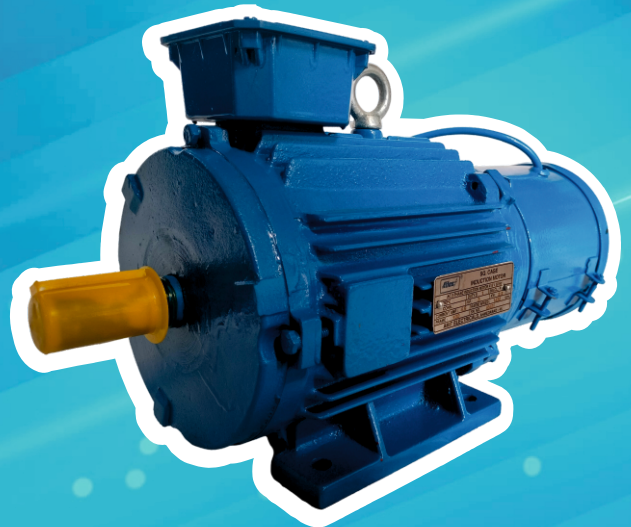
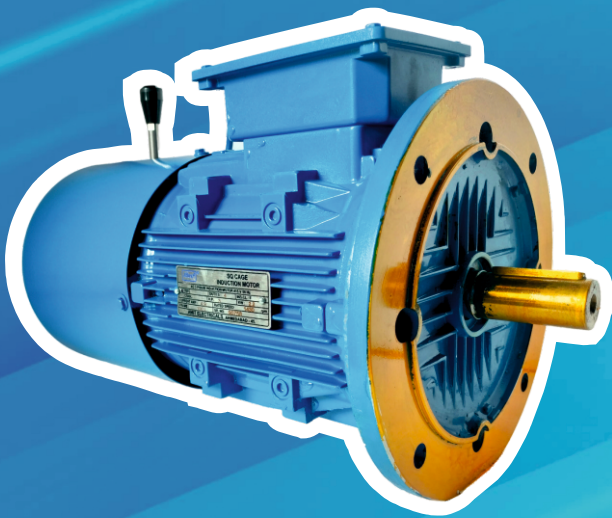




AMIT ELECTRICALS

Dual Speed Brake Motor



📍 Shed No. 42 & 43, Pushkar Industrial Estate-1, Opp. National Rifles, Vatva, GIDC, PHASE-1, AHMEDABAD - 382445.

☎ +91 98240 03939 / +91 94296 70817 / +91 79903 49553

✉ info@amitelectricals.com 🌐 www.amitelectricals.com

Dual Speed Brake Motor



We are a manufacturer, exporter, and supplier of “ATLAS” brand Dual Speed Brake Motors. These motors combine the functionality of a dual speed motor and an electromagnetic brake in a single unit.

They are ideal for applications where machines or equipment require dual-speed operation along with reliable braking, ensuring enhanced control and performance.

Specifications

RANGE OF PRODUCTIONS

- ✓ 0.25 to 50 HP (0.18 to 37 kW)
- ✓ Pole : 2/4, 2/6, 2/8, 4/6, 4/8, & 6/8
- ✓ RPM : 3000/1500, 3000/1000, 3000/750, 1500/1000, 1500/750, & 1000/750.
- ✓ Two-Speed Brake Motors are available in both single winding (e.g., 2/4, 4/8, 4/6 poles) and double winding configurations.
- ✓ These motors are designed to operate at 415V $\pm 5\%$, 50Hz $\pm 3\%$, with a combined variation of $\pm 6\%$.
- ✓ On customer request, we also offer motors in 220V, 380V, 460V, and 525V, suitable for 50Hz or 60Hz frequency applications.

BRAKE TYPE

Fail Safe Brake (When power off shaft lock)

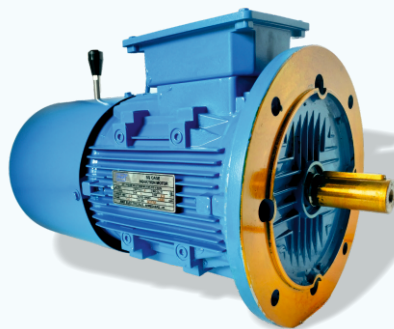
- ✓ Fail-safe dual speed brake motor operates in case of power supply off, ensuring a precise stop and quick braking action.
- ✓ Security against sudden interventions in case of unintentional power supply failure (i.e., power supply black-out, equipment failure).
- ✓ The braking action is obtained without axial sliding of the shaft and provides equal braking torque in both directions of rotation.

Normally Off Type Brake (When power supply on shaft lock)

- ✓ Normally-off type brake is a totally different type of brake compared to a fail-safe brake.
- ✓ It works when the power supply is on. It helps to stop the machine when needed such as during an emergency or when the equipment needs to be stopped intentionally.

Mounting Type

- ✓ Foot (B3)
- ✓ Flange (B5)
- ✓ Face (B14)
- ✓ Foot with Flange (B35)
- ✓ Foot with Face (B34)



Frame

- ✓ Robust, rugged cast iron frame with integral feet.
- ✓ On request we can supply aluminum body upto 100L frame.

Insulation

- ✓ Dual speed motors come with Class “F” insulation.
- ✓ Temperature rise is limited to Class “B” levels.

Enclosure

- ✓ Supplied with T.E.F.C. (Totally Enclosed Fan Cooled).

Shaft

- ✓ Shafts are made from high carbon steel for superior strength and minimal deflection.

Rotor

- ✓ Rotors are high-pressure E.C. grade aluminium die-cast.
- ✓ Dynamically balanced to reduce vibration and noise.

Bearings & Lubrication

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

Protection

- ✓ Supplied with Ingress Protection (IP-44) protection as per IS: 4691.
- ✓ IP-54 and IP-55 available on request.

Thermal Overload Protection

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

Terminal Box

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

Earthing terminals

- ✓ Two earthing terminals. (One in terminal box and other in foot.)

Paints

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

Applications

- ✓ Dual Speed Brake Motors are used in many applications where multiple speeds are required, such as pharmaceuticals, cranes, hoists, lifts, construction, chemical industries, food equipment, ceramic industries, and machine tools for various applications.
- ✓ We can also provide dual speed gear motors and dual brake motors.

Features

- ✓ High Torque
- ✓ Noise Free
- ✓ High performance
- ✓ Durable
- ✓ Smooth finishing
- ✓ Cost effective
- ✓ Precision design

