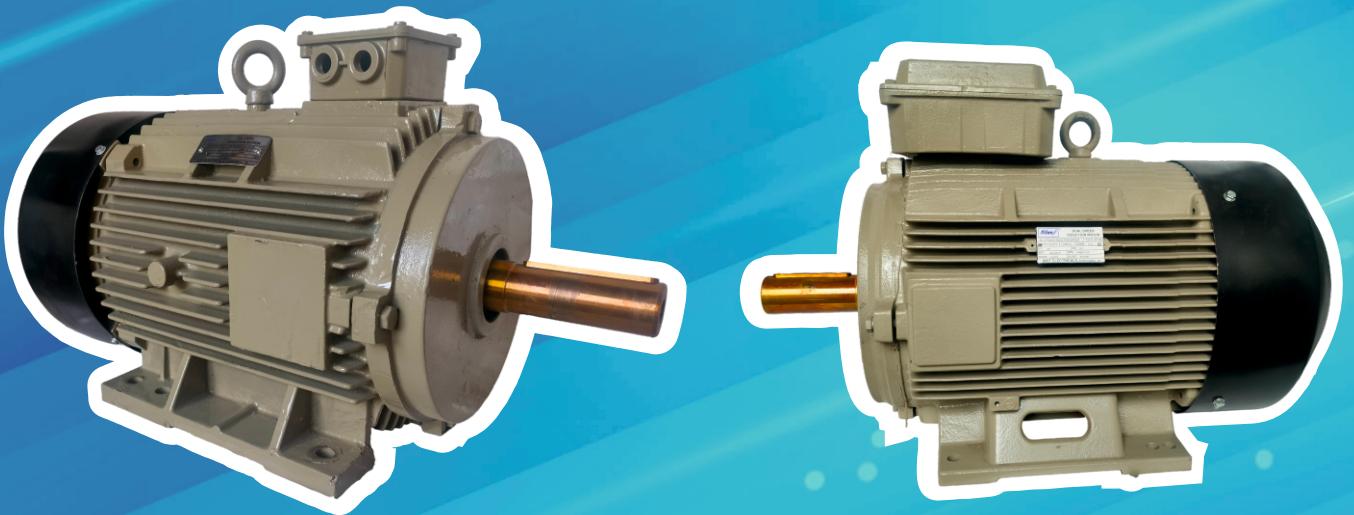




AMIT ELECTRICALS

Dual Speed Motor



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Dual Speed Motor

We are a manufacturer, exporter, and supplier of “ATLAS” brand dual-speed motors, proudly offering them since our establishment in 1978. These motors are specially designed to operate at two different speeds, making them ideal for applications that require variable speed operation.

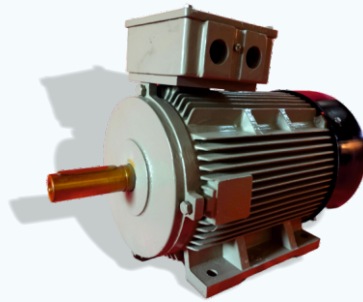
Specifications

RANGE OF PRODUCTIONS (3 Phase)

- ✓ 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 at 50 Hz.
- ✓ Dual speed motors available in single winding (2/4, 4/8, 4/6, 6/12) and other poles in double winding.
- ✓ Standard voltage: 415V $\pm 5\%$, 50Hz $\pm 3\%$ (combined $\pm 6\%$).
- ✓ Custom voltages (220, 380, 460, 525V) and 50/60Hz available on request.

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.

Installation

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

Duty

- ✓ Our dual speed Motor is suitable for:
- ✓ Continues duty (S1)
- ✓ Short time duty (S2)
- ✓ Intermittent periodic duty (S3)
- ✓ Intermittent duty with Starting (S4)

Insulation

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

Protection

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

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.

Enclosure

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

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 motors are used where multiple speeds are needed—e.g., in cranes, hoists, lifts, and machine tools.
- ✓ Widely used in industries like pharmaceuticals, chemicals, ceramics, food processing, and construction.
- ✓ Dual speed gear motors and brake motors also available on request.

Features

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

