



Fail Safe Brake Motor

Concept

Atlas Make Brake Motor Ares for various applications requiring almost instant stopping of drive load.

Basically brake motor combination of an AC induction motor and a disc type, fail safe Electromagnetic brake unit. Brake motors are mfg. as per application motor.

The motor brake in case of power supply failure ensuring further to a precise stop and quick braking action, the security of sudden inter venations in case of an unintentional power supply failure (i.e. power supply black-out, equipment failure)

The braking action is obtained without axial sliding of shaft and provides equal braking torque in both directions of rotations



Brake Type

Fail Safe Brake (Power off Shaft lock)

Range of Production

Three Phase

0.25 H.p. to 30 H.p. (0.18 K.W. to 22 K.W.) Frame 63 to 180L in 2, 4, 6, 8, 10 & 12 Pole

Single Phase

0.25 H.p. to 3 H.p. (0.18 K.W. to 2.2 K.W.) Frame 63 to 112M in 2 & 4, Pole



Mounting

- Foot - Flange - Face



Frame

Motor are supplied in a robust, rugged cast iron frame with integral feet. On Request we can supply motor in aluminum body up to 100 L frame.

Insulation

Motor supply with class F insulation as standard feature. Also supply H on request of customer.





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Ratings

- Continues Duty Brake Motor (S1)
- Short time Duty (S2)
- Intermittent periodic Duty (S3)
- Intermittent duty with Starting Duty (S4)
- Intermittent duty with starting & ele. Braking (S5)

Voltage and Frequency

Three Phase Brake Motor Supply volts 415 +- 5% 50 Hz. +- 3% customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also. Single Phase Brake Motor Supply Volts 215 +-5% 50 HZ. +-3% Customer request We are also able supply motor in 110 volts on Hz. 50 or 50 Also

Shaft & Rotor

Rotor is positive locking with Shaft key joint so that cannot move on high Full lord Torque. Shafts are made by En-8 or En-9 material..

Rotors are of high-pressure E.C. Grad aluminum die-cast. Every rotor is dynamically balanced. Its make motor low amplitudes of Vibration & noise

Bearings & Lubrication

Bearings are adequately lubricated with lithium based high temp up to 150 deg. All the motors are supplied with C3 ball bearing & fully charged with lithium base grease at the time of assembly.

Paints

All standard motor are painted with semi glossy synthetic enamel paint. However sp. Paint is available On request.

Application

Brake motor is specially suitable to be used with Lifting Machinery, Textile Machinery, Geared motor, Cable Reeling Drums, Rolling Mills, Machine tools Ect.

MANUFACTURING BY

AMIT ELECTRICALS

AHMEDABAD, GUJARAT, INDIA

Web :- www.amitelectricals.com / www.twospeedmotor.com

Mail :- Info@amitelectricals.com / jdpatel_78@yahoo.com

Phone :- +91 079 25831031 / 079 25833939

