



# Vibrating Motor



## Introduction

Amit Electricals manufactures Three Phase and Single phase Vibrating motor which are specially Body, Eccentric Weight, Bearing and Winding designed for Smooth operations. Vibrating motor are design for it self create vibrating. In now days it widely use in Pham, mine, material conveyer ect. it also call Unbalance motor, Vibratory motor, Vibro motor.

## Range

### Range of Production

#### **Three Phase**

We having wide range of production in Vibrating motor 0.1 H.p. to 10 H.p. (0.0075 K.W. to 7.5 K.W.) in 2 , 4 , 6 , 8 , 10 and 12 Pole (3000,1500,1000, 750, 600 and 500 RPM) 415 +-5% volts 50 HZ + or - 3% .Other Volts like 380,220 also Available in 50 Or 60 HZ.

#### **Single Phase**

0.1 H.p. to 2 H.p. (0.075 to 1.5 K.W.) in 2 & 4 (3000,& 1500, RPM) 215 +-5% volts 50 HZ + or - 3%

## Mounting

Vibratory Motors are available

-Foot - Center flange - One side Flange - Both side Flange

## Frame

All Vibrating motor Body are made form rugged M. s Casting so it can avoid Brakeage. It can give motor long life.

## Centrifugal Force

Vibratory Motors 0-12000 Kgs/Meter

## Design

The external Vibratory Motors is a synchronous motor that has eccentric weights (unbalance weight) mounted at the ends of the Rotor shaft. The rotating shaft causes centrifugal forces, which can be adjusted by moving the weights it create a vibration.



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## Vibration Proof Motor Winding

Vibratory Motors Insulation class F enhances the safety under continuous Operation conditions and at high ambient temperatures. Motor are tropicalized and designed for an extended voltage range.

## Bearing & Lubrication

Vibratory Motors The right type of bearing for every application guarantees long service life even continuous operation. All vibratory motors are permanently lubricated for normal operation. Large capacity motor can be re-lubricated for average application. Sp. Type of grease is used in vibratory motor.

## Shaft

All Vibrating motor Shaft Made from high carbon steel to provide exceptional Strength & rigidity to minimize deflection.

## Rotor

All Vibrating Motors Rotors are of high-pressure E.C. Grad aluminum die-cast.

## Protection Systems

Vibratory Motors are completely sealed and meet the requirements of safety Class -55

## Centrifugal Force Setting

Vibratory Motors centrifugal forces can be regulated with the easily adjustable eccentric weights with graduations to suit practical applications.

## Vibration Proof Power Cable

Vibratory Motors fine stranded Special Cables are suitable use for motor Because of temp & vibration that can avoid any electrical fault.

## Application

- Parma Machinery
- Food Equipment
- Chemical Plant
- Construction
- Packaging industries
- Glass Plant
- Mine
- Foundry
- Steel Plant



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