



Amit Electricals

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We are a Leading Manufacturer, Exporter and Supplier of Three phase motor, single phase motor, Torque motor, Vibrating motor, Crane and hoist duty motor, lift duty motor, Cooling tower motor, Two speed Motor, Single phase brake motor, Brake motor, Worm gear motor, helical gear motor, planetary gear motor, Fail safe brake, Bench Grinder machine, Bench polisher Machine, Flexible shaft Grinder machine, variable frequency derive, Ip 68 motor, Dual voltage, Cut section ac motor, Gear Shaft, H class motor, Extend Shaft, Hollow Shaft Motor, Encoder Mounted Motor, Hollow shaft Brake motor, Center flange Vibrating motor, Geared Brake motor, Dabble flange motor, Two speed Gear Motor, Two speed Geared Brake motor, Two speed Vibrating motor, force cooling motor coolant pumps Ect.

Company Profile

- We are a Leading Manufacturer, Exporter and Supplier of Three phase motor, single phase motor, Torque motor, Vibrating motor, Crane and hoist duty motor, lift duty motor, Cooling tower motor, Two speed Motor, Single phase brake motor, Brake motor, Worm gear motor, helical gear motor, planetary gear motor, Fail safe brake, Bench Grinder machine, Bench polisher Machine, Flexible shaft Grinder machine, variable frequency drive, Ip 68 motor, Dual voltage, Cut section ac motor, Gear Shaft, H class motor, Extend Shaft, Hollow Shaft Motor, Encoder Mounted Motor, Hollow shaft Brake motor, Center flange Vibrating motor, Geared Brake motor, Dabble flange motor, Two speed Gear Motor, Two speed Geared Brake motor, Two speed Vibrating motor, force cooling motor coolant pumps Ect.. in brand name *Atlas*.
- Amit Electricals was established by a young entrepreneur shri Dhiru bhai V. Patel in the year 1978. Which having an experience more than 35 year. He developed the vibratory motor, two speed motor and special purpose motor. Today it has reached at a point where the manufacturing stage having a large product range with highest production capacity over a span at 35 years of constant adequate to industrial technology.
- Now a day's company is making unremarkable progress with discharging the responsibility under controlled High quality control, Economical Pricing and fast an efficient delivery system within a short time our company has archived a number of milestone but the company has still not stopped progressing and is looking forward for farther achievement.
- A company is qualified with hard work and experience background of Shri Dhiru bhai Patel who is well qualified and has a vast experience with wide technical knowledge in the similar field. A team of highly qualified engineers and skilled works guarantee of complete customer satisfaction. Through a superior quality and satisfactory product and dedicated after sales and service.
- We at Amit Electricals understand the importance of consistency in quality and better customer care services.

Quality Policy



AMIT ELECTRICALS is committed to provide
Technologically superior products & high quality
Services to achieve total customer satisfaction.

We are committed to quality integrity and
Excellence in all areas of business. We pledge to
Monitor our performance as an on-going activity
And services for continual improvement.

Products List

- Three Phase Motor
- Single Phase Motor
- Worm Gear Motor
- Torque Motor
- Helical Gear Motor
- Crane & hoist Duty Motor
- Brake Motor
- Cooling Tower Motor
- Vibratory Motors
- Two Speed Motor
- Planetary Gear Motor
- Cycloidal Reducer
- Fail safe brake (Spring loaded fail safe brakes)
- Bench Grinder Machine
- Bench Polisher Machine
- Flexible Shaft Grinder Machine
- Variable Frequency Drive
- Special Motor

Three Phase Motor

Range

0.10 H.P. to 75 H.P. (0.075 K.W. to 55 K.W.) Frame 63 to 250M in 2, 4, 6, 8, 10 & 12

Pole

Mounting

- Foot - Flange - Face

Standards

Performance conforms to be: 325 and dimensions according to IS 1231 & IS 2223

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.

Ratings

All Standard Three phase Motors are continuous rated to comply with performance standards.

Voltage and Frequency

Supply volts 415 +- 5% 3 phase 50 Hz. +- 3% (on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also)

Enclosures

Motor IP-44 Protection as defined in IS: 4691. Motors can be supplied with IP-54 and IP-55 on request.



Single Phase Motor

Range

0.12 H.P. to 3 H.P. (0.09kw. to 2.2kw.) 63 Frame to 112M frame in 2, 4 & 6 pole.

Voltage

Motor are design for 215 volts +- 5% 50 Hz. +- 3% Supply (on customer request we are also ablesupply motor in 110 volts on 60 Hz Also)

Mounting

-Foot

- Flange

-Face

Insulation

Motor are provided with class "B" insulation. Class "F" can supply on request of customer.

Ratings

All Standard single phase Motors are continuous (S1) rated to comply with performance standards.

Design

Capacitor start induction run motors with high starting torques suitable for use in machine tools, small compressors, booster pumps, atta chakkis etc. Where high load inertia and or frequent starting or stopping is involved.

Resistant start induction run motor with moderately high starting torques ideally suited for optimum performance in applications like commercial juicers, industrial sewing machine, surgical pumps ECT.



Torque Motor

Concept

Torque motors are offered for various applications where the rpm of motor is required to be changed with constant torque.



Range

- Torque motors available are three phases and single phase. Also supply with force cooling.
- Torque motor available 0.12 to 10 H.p. Frame 63 to 160L In Three phase and in single phase up
- 0.12 to 1.0 H.p.
Motor providing in 4, 6 & 8 pole.

Mounting

-Foot - Flange - Face



Voltage

- 215 volts \pm 5% 50 Hz. \pm 3% for single phases (on customer request we are also able supply motor in 110 volts on 60 Hz Also)
- 415 volts \pm 5% 50 Hz. \pm 3% for three phases (on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also)

Insulation

Insulation class F with constant duty (s1)

Crane & hoist Duty Motor



Concept

Ideal for frequent Starts / Stops & Reversing operation those motor are high torque.

Range

0.10 H.P. to 75 H.P. (0.075 K.W. to 55 K.W.) Frame 63 to 250M in 2, 4, 6, 8, 10 & 12

Pole on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also

Mounting

- Foot - Flange - Face

Duty

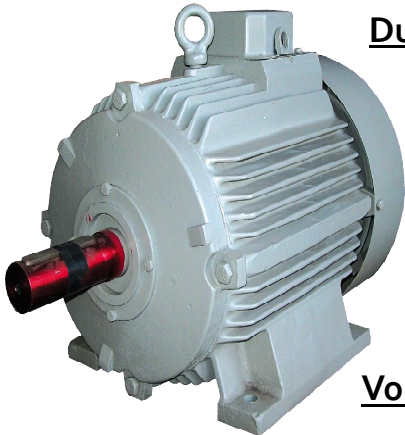
Motor is suitable for: -

Short time duty (S2)

Intermittent periodic duty (S3)

Intermittent duty with Starting (S4)

Intermittent duty with starting & ele. Braking (S5)



Voltage and Frequency

Supply volts 415 +- 5% 3 phase 50 Hz. +- 3% (on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also)

Brake Motor

Concept:-



Brake Motor is combination of three phase or single phase Squirrel Cage Induction Motor with Electro-Magnetic Disc Brake (A.C.) when power is switched off with ordinary motor, the rotating part will stopped after some time but if brake motor is used rotating mass will stop instantaneously. All Brakes are mounted at non-driving end of motor, braking disc is mounted directly on motor shaft. Brakes are directly acting, no lever or links are required.

Range:-

Three phase: - 0.25 H.P. to 30 H.P. (0.18 to 22 Kw.) In 3000, 1500, 1000 & 750 Rpm with A.c. & D.c. brake frame 63 to 180L on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also.

Singe phase :- 0.25 H.P. to 3 H.P. In 3000, 1500, 1000 Rpm with A.c.& D.c. brake frame 63 to 112M

Mounting

- Foot - Flange - Face



Voltage and Frequency

Supply volts 415 +- 5% 3 phase 50 Hz. +- 3% (on customer request we are also able supply motor in 220, 380, 460, 525volts on HZ. 50 or 60 Also)

Insulation

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

Cooling Tower Motor

Concept:-

These motors specially design for cooling tower Fans for continues running in humidity area.

Range:-

Our cooling tower motor range 0.25 to 20 hp. Frame 71 to 225M.

Motors are flange mounting with IP-55 Degree of protection. Supply 415(+/- 5%) voltage and frequency 50Hz. (+/-3%) combined +/-5%. Motor available in 4, 6, 8, 10 and 12 pole. on customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60
Also

Performance:-

Motor performance conforms to IS: 325.

Mounting :-

Mounting V1 shaft downward position Flange B-5 as per IS 2223.

Duty & Insulation

Insulation class "F" with constant duty (S1) Cooling tower motor design for Working S1Duty. For continues working. Motor relative humidity up to 90%

Shaft and Bearing

Our cooling tower Motor relative humidity up to 90%.

Cooling tower Motor Shaft is Mead by stainless steel material AISI-410. Nut and washer are made for stainless steel AISI-202. It can make protection against corrosion. Motor shaft extended so cooling fan fitted properly.



Vibratory Motors



Concept

The external vibrator is a three-phase or single phase 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.

Range

0.25 H.P. to 10 H.P. in 2, 4, 6 & 8 poles 3 phase supply volts 415 \pm 5% 50 Hz. \pm 5%

On customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also

0.25 H.P. TO 2 H.P. in 2,4 pole 1phase supply volts 215 \pm 5% 50Hz. \pm 5% (on customer request we are also able supply motor in 110 volts on 60 Hz Also)

Centrifugal force kg.

250 to 6500

Mounting

-Foot - flange

Vibration-proof motor winding

Insulation class F enhances the safety under continuous operation conditions and at high ambient temperatures. Motor are tropical zed and designed for an extended voltage range.

Bearing & Lubrication

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.



Two Speed Motor

Concept

Two speed or dual speed motor is sp. Design to work for two different speeds.

Rang:-

0.25 to 20 H.P. (0.18 to 15 K.w.)

Two speed motor are offer in 2/4, 2/6, 2/8, 4/6, 4/8,& 6/8 poles. (3000/1500, 3000/1000, 3000/750, 1500/1000, 1500/750 & 1000/750) Dual sped motor available in single winding 2/4, 4/8 and other pole in double winding.

All motors are suitable to $\pm 5\%$ 50 Hz $\pm 3\%$. & combined $\pm 6\%$. On customer request we are also able supply motor in 220, 380, 460, 525 volts on HZ. 50 or 60 Also

Mounting

- Foot - Flange - Face

Insulation

All dual speed motor is supplied with 'F' class insulation but temperature rise restricted to 'B' class.

Duty

Our dual speed Motor is suitable for: -

Continues duty (S₁)

Short time duty (S₂)

Intermittent periodic duty (S₃)

Intermittent duty with Starting (S₄)

Intermittent duty with starting & ele. Braking (S₅)



Worm Gear Motor



Range

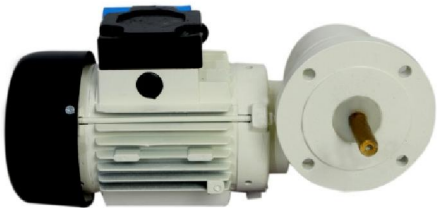
H.p. : - From 0.18 to 7.5 KW.

Ratio : - Range from 7.5/1 up to 100/1

Center: - 30 to 130M.M.

Type : - Worm geared motor that our company produce include NMRV and NRV.

Mounting: - Universal Mounting Type

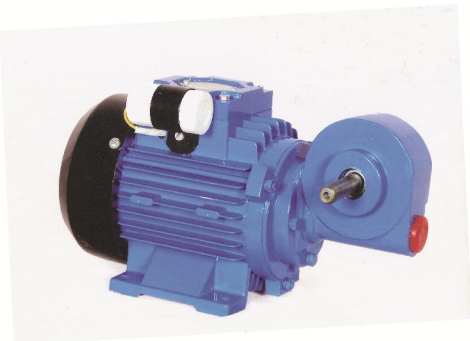


Applications

Conveyors, Packaging, Loading, Automation, material handling lift.

Features:

Excellent performance, simply structure, small cubage and high efficiency
Easy to mount and maintain.



Wide output reduction ratio, large torque and good capability of enduring overloads

Running stably, low noise and wearing well
Wide applicability and enough and safe dependability.

Helical Gear Motor

Range

Kw. : - From 0.37 to 7.5 KW.

Ratio range :- We have a wide Rpm range in helical gear motor minimum Output speed: 4 to 500 rpm

Mounting type: Foot-mounted, flange-mounted, horizontal or vertical installation



Features

Highly Standard Modular Designed

High Strength, Compact Dimension

Proper harden Gear provide it Long Service Life

Efficiency

Low Noise. High

Two and three stage gear Motor can support high permissible radial load.

High efficiency, can reach to 95%.

Application

There are 3 stage gear or 2stage gear transmission. The inline helical gearboxes can be applied to many industrial areas, such as Metallurgical, mines, lifting, transportation, petrochemical, construction, textile, pharmaceutical, food, environmental, light electric, plastic machine, paper, parking equipment and so on.

Cycloidal Reducer



Supplier & Manufacturer of Cycloidal Reducer & Cycloidal Lantern Reducer. Our product range also comprises of 3 Phase Standard Motors, Single Phase Motors and Crane Duty Motors.

Cycloidal Lantern Reducer :-

We offer our customers a wide range of Cycloidal Lantern Reducers, which are available in various sizes. "Atlas" cycloidal pin wheel with reducer adopt the principle of planetary gearing transmission and the construction of cycloidal gear meshed with pin wheel, conform to standard, with features of big ratio, high efficiency, compact structure, small volume, long life, little breakdown, strong ability against impact and so on, widely applicable to ceramic, drink, food, textile, mineral and metallurgical, lifting and transportation, printing and dying etc. industry.

Range :

Range

Kw. : - From 0.37 to 7.5 KW.

Ratio range :- We have a wide Rpm range in Cycloidal Reducer gear motor
minimum Output speed: 4 to 500 rpm

Planetary Gear Motor



Range

Kw. : - From 0.37 to 15 KW.

Ratio range :- We have a wide Rpm range in planetary gear motor minimum

Output speed Reduction Ratio: 4:1 to 2500:1

Rated Torque: 1 Kgm to 3000 Kgm

Mounting type: Foot-mounted, flange-mounted,

Features

Highly Standard Modular Designed

High Strength, Compact Dimension

Proper harden Gear provide it Long Service Life

Low Noise. High Efficiency

high permissible radial load.

High efficiency,

Application

The inline planetary gear Motor can be applied to many industrial areas, such as Metallurgical, mines, lifting, transportation, petrochemical, construction, textile, pharmaceutical, food, environmental, light electric, plastic machine, paper, parking equipment and so on.

Fail safe brake

Spring loaded fail safe brakes

Nylon/Bakelite bobbin with 'F' class insulation coil.
10mm thickness E plate / I plate
All machines nuts are used.
M.S. Plate for liner.
15mm thickness mounting plate.
Close type Connector with Nylock Nut.
16.5mm thickness liner.
C.R.N.G.O. stamping.
Heavy Duty Brake



A.C. DISK BRAKES : (FAIL SAFE)

Very compact and modern in design. Foundation is not necessary as they are directly mounted on non-driving end shaft of the motor. It consists of liner plates (Brake Disc) with square hole at the center. One corresponding piece of square hub is supplied with the brake. This hub is keyed to the motor shaft and the liner plate is free on this hub. Normally liner plate is gripped between two discs with the help of spring pressure. They work on 230/ 415 Volt A.C. When the current is supplied on the brake, one disc is attracted by electromagnet against pressure and the liner plate is released. Thus the brakes are "off". Once the brake is set it does not require adjustment or maintenance. When the liner plates wear with the use then only air gap is required to be maintained periodically. An arrangement to release the brake manually could be provided on request.

D. C. Fail Safe Brakes



We are known for winning the trusts of the customers, by manufacturing a qualitative range of DC Fail Safe Brakes. These products are manufactured as per the clients' requirements in compliance with the industry standards. This range of products is available at competitive prices of the market. We promise to keep up to the expectations and hopes by ensuring the performance and quality of these products at different stages of production.

Our product range is known for the following factors:

- Robust construction
- Steady Performance
- maintains free
- Accuracy
- Efficiency

Bench Grinder Machine



Motor

All Grinder machine Totally Enclosed surface cooled (T.E.F.C.). Winding insulated with class 'B' insulation as a safe guard against high temperature rise. In higher horsepower grinders are protected with insulated with class 'F'. Fully impregnated with high grade insulating varnish for tropical climate. Three Phase motors suitable for 415 \pm 5% volts and single phase suitable for 215 \pm 5% volts for 50 Hz. \pm 3 % A.C. supplies. Single-phase motor are capacitor start and run Type. Continuous (S1) rated to comply with performance standards.

Range

Single phase: - 0.25 H.P. To 2 H.P.
Three Phase: - 0.25 H.P. To 3 H.P.
Pedestal grinders are also available.

Body

Body is of high-grade cast iron and bolls are designed to assure ample clearance for grinding odd shaped items end long stock.

Wheel Guards

Heavy cast iron Wheel Guards design to afford full protection to the worker with maximum freedom of operation. Easily detachable covers are provided for quick replacement of wheels. All wheel guards of higher horsepower grinders have exhaust for safe and easy flow of dust particles at the rear side.

Bearings

Deep grooved with sufficient lubricant, double sealed to prevent entry of any kind dust or other partial matter inside the bearings.

Bench Polisher Machine



Motor

All Polisher Machine Totally Enclosed surface cooled (T.E.F.C.). Winding insulated with class 'B' insulation as a safe guard against high temperature rise. In higher horsepower Polisher machine are protected with insulated with class 'F'. Fully impregnated with high grade insulating varnish for tropical climate. Three Phase motors suitable for 415 \pm 5% volts and single phase suitable for 215 \pm 5% volts for 50 Hz. \pm 3 % A.C. supplies. Single-phase motor are capacitor start and run Type. Continuous (S1) rated to comply with performance standards.

Range

Single phase:	-	0.25 H.P. To 2 H.P.
Three Phase:	-	0.25 H.P. To 7.5 H.P.

Body

Body is of high-grade cast iron and bolls are designed to assure sample clearance for grinding odd shaped items end long stock.

Rotor

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

Deep grooved with sufficient lubricant, double sealed to prevent entry of any kind dust or other partial matter inside the bearings.

Switches

Rotary switches are provided for easy & lifelong operation.

Flexible Shaft Grinder Machine



Range

0.50 H.P. to 3 H.P. (0.37kw. to 2.2 kW.) Single & Three phase

Voltage

Shaft grinders are design for 215 volts \pm 5% 50 Hz. \pm 3% for single phases

Shaft grinders are design for 415 volts \pm 5% 50 Hz. \pm 3% for three phases

Body

Body is of high-grade cast iron and bolls are designed to assure ample clearance for grinding odd shaped items end long stock.

Bearings

Deep grooved with sufficient lubricant, double sealed to prevent entry of any kind dust or other partial matter inside the bearings

Insulation

"B" insulation provided.

Ratings

Shaft grinder machine proved with continuous (S₁) rated to comply with performance standards.

Switches

Rotary switches are provided for easy & lifelong operation.

Variable Frequency Drive

AC Drive (0.5KW To 3.7KW)



Unique Design
Advanced Technology
Competitive Price
Saving Energy
The description of the multifunctional vector control AC Drive in details as bellow.

Specifications :

Rated voltage: 440V/Three phase

Power range: 0.4KW-3.7 KW

Output frequency: 0-900HZ

AC Drive (5.5KW To 315KW)



Unique Design
Advanced Technology
Competitive Price
Saving Energy

AC Drive integrates digital technology, computer technology, and modern auto-control technology. It has many merits like high accuracy, low noise, large torque, reliable performance. Therefore, it is applicable for industries like electron, machine, metallurgy, weaving, printing, petrol and, chemistry. It takes important in improving Automatization level of industry, and gets high reputation from industrial members

Special Motor

Ip 68 motor

This motor is sp. Design to work in under water.

Dual voltage

Normally motor work on only one voltage but dual voltage motor is two different voltages like.

110/ 220 Signal Phase

Cut section ac motor

Normally this motor use in collage and school for education. Motor cut from one side so view is open to see the induction motor how to work.

Gear Shaft

Motor shaft is mead direct as gear. Gear type span, helical or any type other make on shaft.

Sp. Mounting

Motor offer in foot, flange & face mounting but we make motor as per costumer application. We make sp. mounting designs for them.

Light Weight Motor

If costumer require of low weight motor we can to do it. We reduce motor weight up to 50% in compare normal motor weight.

Sp. Material Shaft

We offer sp. Material shaft as per application. Normal motor shaft mead by en-8 material but as per requirements we change shaft material at extra cost. We make in Shaft S.S. 410, 302, 316, En-19, En-24, En-31 En-36, H.c.h.c die steel, O.h.n.s. Die steel Etc.

H class motor

H class motor is use in that kind application where room temperature is more than 100 C. H class motor is works up to temperature 200 C. When normal motor born. High temperature grass use in baring its works up to 350 C

Special Motor

Extend Shaft

Motor shaft As per Costumers Requirements. We can make all changes as application of costumers in shaft.

Hollow Shaft Motor

Regular motor shafts are made by solid material. But hollow shaft motor hole in shaft. Shaft mead by a pipe. Motor performances are as per standard motor.

Encoder Mounted Motor

Motor attach with encoder it can help machine for motion control. Encoder is select by party as per requirement we mount encoder on the non drive end side after the fan.

Hollow shaft Brake motor

Hollow shaft motor with electromagnetic brake.

Center flange Vibrating motor

Geared Brake motor

Two speed Gear Motor

Two speed Geared Brake motor

Two speed Vibrating motor

Product Gallery

→ Double Flange Brake Motor

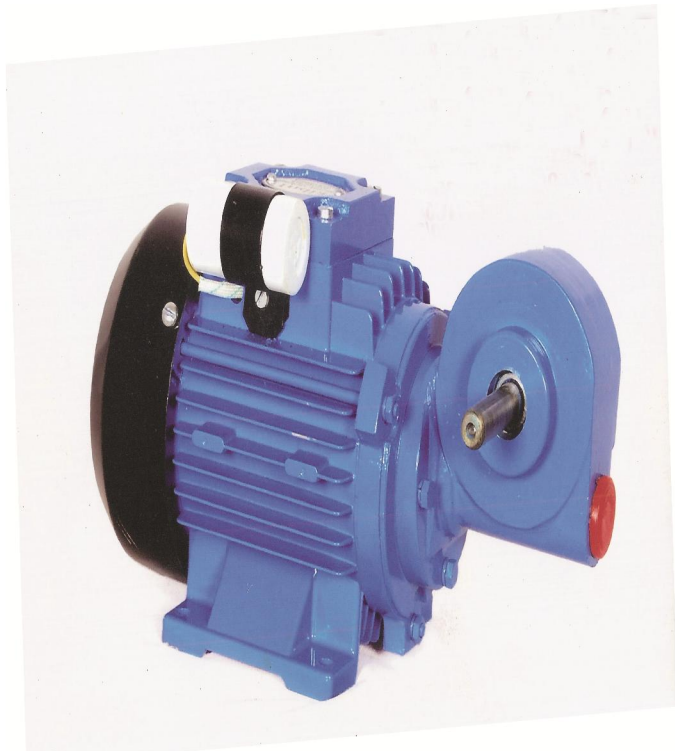


→ Multi Speed Motor

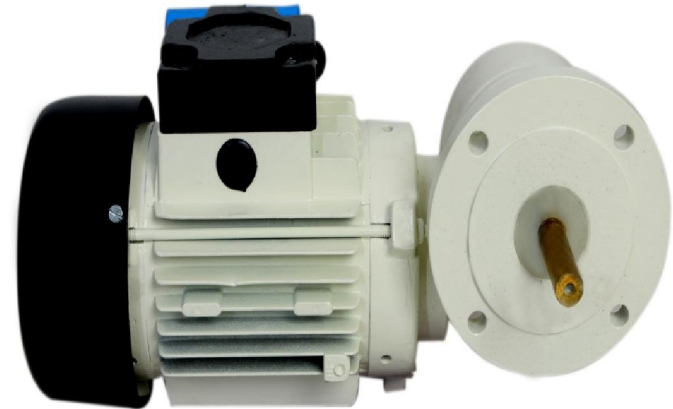


Product Gallery

→ Single Phase Gear Motor



■ → Flange Mounted Single Phase Gear Motor



Product Gallery

→ Lawn Mower Motor



■ Dual Speed Helical Gear Motor



Product Gallery

→ Face Mounted Crane
Duty Motor

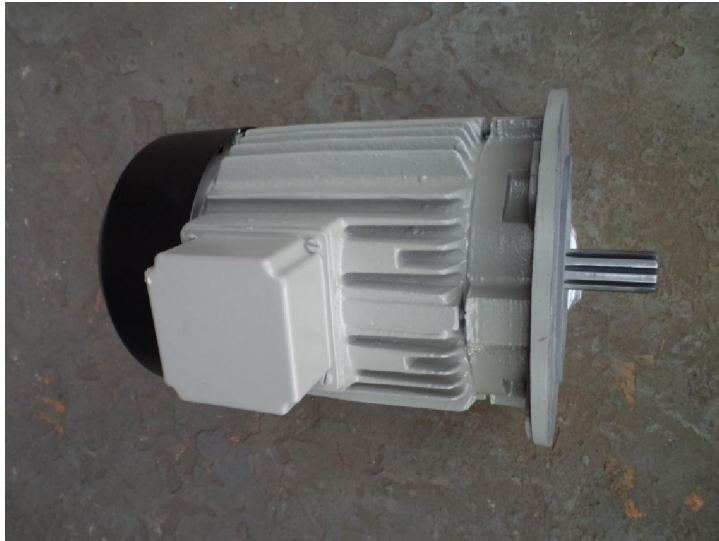


→ Foot With Flange
Motor



Product Gallery

→ Gear Shaft Motor



→ Two Speed Vibrating Motor



Product Gallery

→ Vertical Vibrator

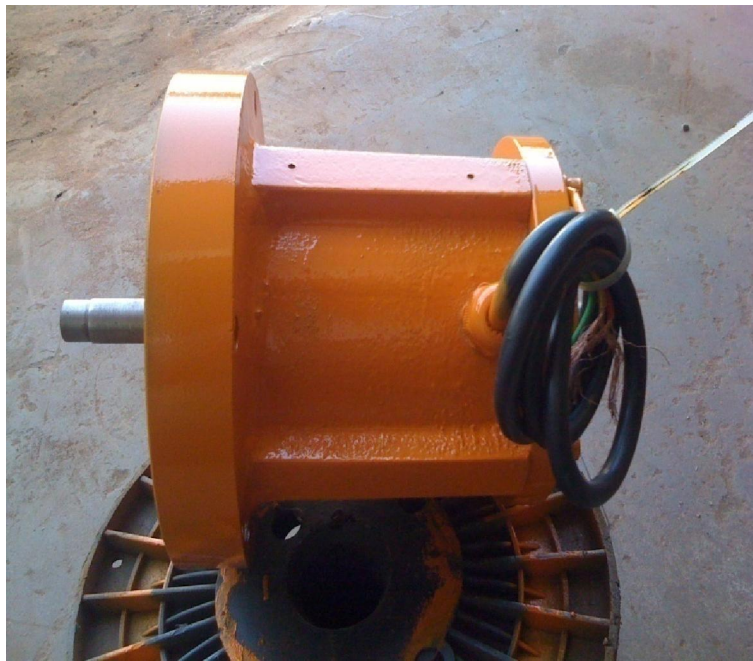


→ Force Cooled Mounted Motor



Product Gallery

→ Flange Motor Vibro Motor



→ Winnowing Fan Motor



Product Gallery

→ Encoder Mounted Motor



→ Fail Safe Brake Coils



Product Gallery

→ Fail Safe Brake Liner

