

Electric Motor Single Phase & Three Phase



Technical Data

Power Range	0.50 HP To 3.00 HP
Total Head	
Flow Rate	

Salient Features

- Motors are available in a wide range from frame size 63 (0.50 HP) to 180 L(3.0 HP) in 2,4,6, and 8 pole design for 3 Phase supply and frame size 80 (0.50 HP) to 112 M (3.0 HP) in 2,4 and 6 pole design for 1 Phase supply. We take interest and pride to develop special motors as per customer's specific need.
- Standard Followed : All the motors are manufactured as per for electrical parameters and mechanical dimensions are as per
- Ratings : Motors are rated for continuous duty at a surrounding temperature of 40 degree Celsius and a height of up to 1000 m above sea level.
- Voltage and Frequency : Motors are designed for 415 volts +/- 6% for 3 Phase supply and 220 volts +/- 6% for 1 Phase supply.
- Insulation Quality : Motors are manufactured with insulation Class 'B' , Class 'F' & 'H' are provided if ordered.

- Winding : Modified polyester enameled copper wire which is tested as Quality is used for winding of all motors. Additionally high dielectric and mechanical strength material is used for slot insulation.
 - Stator : Electrical stampings are of CRNO material with grade M-47 , C-6 coating with lower losses.
 - Rotor and Shaft : Pressure aluminium die casted rotors and shaft of EN-8D steel material is provided in all motors. All rotors are dynamically balanced for low vibration and long bearing life.
 - Bearing : SKF or equivalent imported bearing are used and mounted on shaft by induction heating procedure for smooth running, low noise and long life.
 - Motor Body and Covers : These are made of graded C.I casting material for required strength and reliability. Motor body with external fins increase heat dissipation rate, thus improving motor life.
 - Assembling : Assembling is done on horizontal hydraulic press for perfect fitment and best alignment of shaft with bearings which is never possible in manual fitting thus improved quality & life by proper assembling.
 - Inspection & Testing : All components are manufactured and inspected as per ISO : 9001-2008 quality system on latest precision machineries and calibrated instruments to give years of maintenance free operation. All motors are tested as per relevant Indian.
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Application

- Used as prime mover for all kinds of machine tools such as Lathes, Drills, Grinders etc.
- Used for Compressors, Lifts, Hoists, Cranes Extruders etc.
- Used for running bare pumps for Domestic , Industrial or Agricultural purpose.