

Induction Motors



Salient Features

Silver motors are available in a wide range from frame size 63 (0.25 HP) to 180 L(30.0 HP) in 2,4,6, and 8 pole design for 3 Phase supply and frame size 80 (0.25 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 IS : 325 for electrical parameters and mechanical dimensions are as per IS : 1231.

Ratings : Motors are rated for continuous duty (SI) at a surrounding temperature of 40 degree Celsius and a height of up to 1000 m above sea level.

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 per IS : 13730 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.

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.