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Considering continuous product development the information/performance/specifications and illustrations disseminated in this catalogue are subject to change without notice.



PRODUCT APPLICATION AND PRODUCT SPECIFICATION

GENERAL DATA

Single Phase & Three Phase Motor

Shakti 3-Wire motor are single phase , Capacitor start induction run (CSIR) or capacitor start -Capacitor run (CSCR) motor optimised for operation with the shakti control Boxes. This design features the highest starting torque within the single phase motor range. Control Boxes include all necessary long-life starting and motor protection relays and capacitors.

Applications

This motor is built for dependable operation in 4 Inch diameter or larger water wells. It is fitted with water lubricated radial and thrust bearings for a maintenance - free operations. The motor is filled with a special fluid, Providing frost protection down to -15°C. A Special diaphragm ensures pressure compensation inside the motor.

Product advantages:

- Hermetically sealed stator. Anti track, self healing stator resin prevents motor burn out.
- High efficiency electrical design (low operation cost, cooler winding temperature
- Removable " Water Bloc" lead connector
- Cable material in accordance with regulations for drinking water
- water lubricated radial and thrust bearings
- All motors pre-filled and 100 % tested.
- Non contaminating, water-filled design.

Technical Specification

- 4” NEMA flange
- Rotation : CCW facing shaft end.
- Degree of protection : IP68
- Insulation : Cl.B
- Rated Ambient temp.:30°C
- Cooling flow: Motor 2,2 kW and larger: min 8cm/sec.
- Starts/hr:20
- Mounting : Vertical/horizontal
- Voltage tolerance : ±6% /-10% UN
- Motor protection : Included Shakti Control Boxes

Options

- Motor cable approved (1,5mm; special lengths available).
- Built-in lightning arrestor.

