
Looking ahead,
going beyond expectations
Ahead > Beyond



BSM 3S - Submersible motor

Databook 50/60Hz



General information

3S motors construction is completely manufactured of stainless steel.
3S motors, which are wound with PE2+PA insulated wires.

General features

- High quality PE2+PA winding wires
- CCW direction of rotation
- Our motors can be operated horizontally
- Availability to be operated by Soft-Starter
- Flange with NEMA standards
- Standard dual flange
- Water coolant system
- Our rewindable motors provides long service life
- High efficiency provides operation cost savings
- Variable operation revolutions by frequency converter over 30Hz
- Standard voltage 380/460V - 50/60Hz
(Allowable voltage tolerance $\pm 10\%$)
- Filter Check Valve

Main features

- Corrosion Resistant Construction
- Enhanced Cooling Properties





PT100 Overheating Protection

By connecting the PT100 thermal sensors to the slot that is standardly placed on upper bearing body, motor temperature can be easily measured.



Up-Thrust Ring

Provides safe operation conditions for motor by absorbing Up-Thrust loads with its machined surface and water channels on it.



Membrane

Membrane minimizes the expansion pressure that is caused by heating of cooling water's inside the motor



Cable Connection

Preventing the water inside the motor to run through the cable and reach connection parts of power cables by specially designed cable seals.



Heavy Duty Bearings With High Thrust Capacity

Heavy duty bearings provides the option to revolve both sides, has the capacity to carry high thrust load.

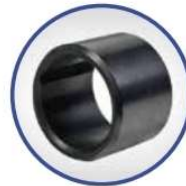
Pressure Balancing Checkvalve

Checkvalve controls the pressure changes inside the motor. When the pressure increases, it throws water out of the motor. When the pressure drops, it filtrates the water inside well and gets it inside the motor by the help of this checkvalve to balance the pressure inside. Thus why pressure differences inside motor never causes membrane under motor to blow up.



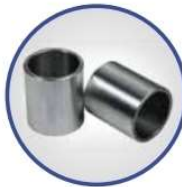
Water Lubricated Radial Carbon Bearings

Radial carbon bearings, which have channels in its structure that makes it possible to get lubricated by water easily, provides precise bearing of rotor shaft at up and down.



Chrome-plated Bearing Collet

Chrome-plated and precisely machined bearing collets which are located in the radial bearings operating area, have great importance for bearing the rotor.



Adjustment Screw

Standard shaft height can be precisely adjusted by the adjustment screw on the thrust bearing base.



Slinger (Sand Guard)

Slinger helps to prevent the sand inside the water of the well entering in mechanical seal and through mechanical seal to inside of the motor.



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