



Sun-Star Electric L.P. has manufactured hundreds of Aqua Star ROV motors for refitting existing units and for new vehicles and applications. The Aqua Star is designed and engineered for a precision fit and the finest quality controls ensure longer service life, and historically reliable service. The Aqua Star motor can be engineered and designed to specific applications and requirements in both water and oil filled.

1 WINDING

The winding wire and other components are all oil resistant, class F or higher materials. Our voltage range is from 460 volt to 6600 volt. The winding wire exceeds inverter duty ratings and all windings are tested to meet applicable NEMA and IEEE standards.

2 STATOR

The standard stator casing material is corrosion resistant 316L stainless steel. This provides superior casing strength and allows a lamination design for increased horsepower per weight ratio.

3 SEALING SYSTEM

The motor employs a rotating mechanical seal or double rubber seals for sealing at the shaft.

4 BEARINGS

The anti-friction ball or roller bearings are sized to exceed normal requirements and insure a long service life for motor operations.

5 POWER LEADS

The power leads are a continuous cable configuration utilizing a PBOF design from the junction box to the motor.

6 SENSOR

A sensor hub option is available for temperature monitoring and water ingress detection.

7 SHAFT

The motor can be a single or double shaft configuration.