

AQUA STAR DEEP OCEAN ROV MOTOR

Sun-Star Electric, Inc. manufactures Aqua Star motors for deep ocean and other subsea applications. The Aqua Star is ideally suited for new ROV applications and can be retrofit for existing submersible units. Sun-Star can customize Aqua Star motors for specific applications with voltages ranging from 460V to 6,600V. The Aqua Star can be designed and engineered for an accurate fit, and for deep ocean operation at depths greater than 10,000m.

MANUFACTURING & REPAIR OF DEEP OCEAN MOTORS SINCE 1977

● ENGINEERING & DESIGN

Customized to fit your application. VFD Compatible

● FACILITY CAPABILITIES & CAPACITY

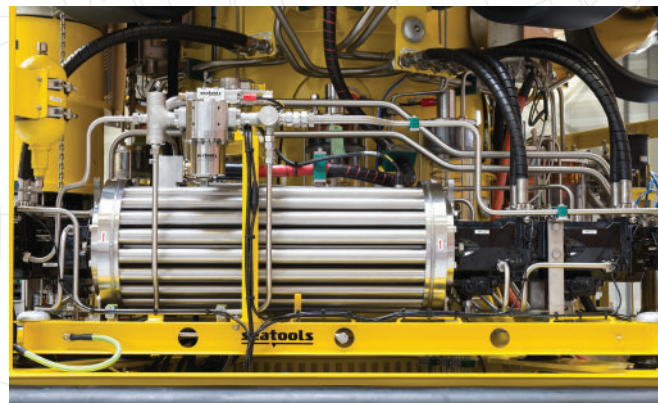
All welding, machining, component fabrication, winding, assembly, electrical and run testing accomplished in house.

● MEMBER ASSOCIATIONS

- Hydraulics Institute
- Institute of Electrical & Electronic Engineers



ALUMINUM CONSTRUCTION



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SUN-STAR ELECTRIC, INC.
AN EMPLOYEE OWNED COMPANY
WWW.SUNSTARUSA.COM

APPLICATIONS

ROV – HPU & TMS
Subsea Mining / Drilling / Trenching

HP RANGE

5-600 Standard

VOLTAGE RANGE

460 / 2400 / 3000 / 4160 / 6600

SPEEDS

3600RPM / 1800RPM
(2 pole / 4 pole)

ENVIRONMENT

Offshore and deepsea up to
10,000 meters submergence

MATERIALS OF CONSTRUCTION

316SS
6061 Aluminum
NiAlBrz
Super Duplex Stainless Steel

Different
configurations
on request



AQUA STAR DEEP OCEAN ROV MOTOR

Sun-Star Electric, Inc. has manufactured hundreds of Aqua Star ROV motors for new vehicles and applications and for refitting existing units. 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. Current standard designs range from 5 HP to 600 HP, 3600 and 1800 RPM.

POWER LEADS

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

SENSOR

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

STATOR

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

SHAFT

The motor can be a single or double shaft configuration. Male/Female couplings.

SEALING SYSTEM

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

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.

BEARINGS

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

AVAILABLE IN ALUMINUM



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