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

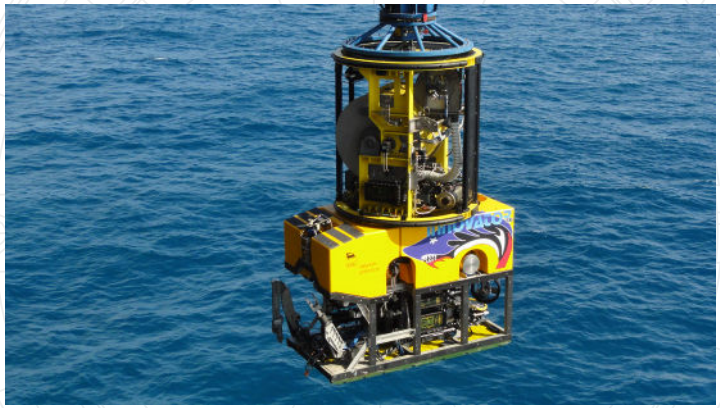
Customized to fit your application. VFD Compatible

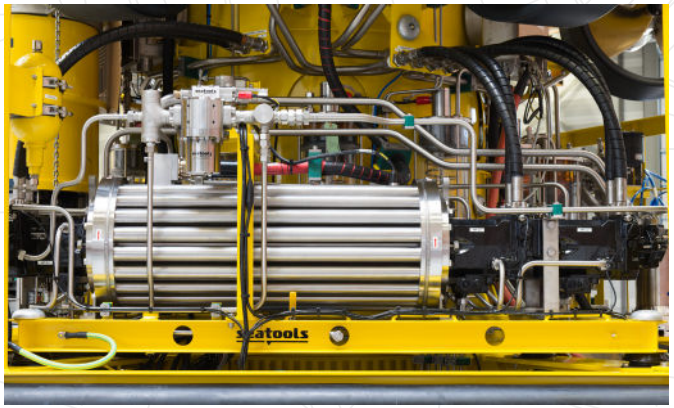
FACILITY CAPABILITES & CAPACITY

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

MEMBER ASSOCIATIONS

Hydraulics Institute
Institute of Electrical & Electronic Engineers





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 NiAlBrz Super Duplex Stainless Steel

CONTACT US

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www.sunstarusa.com

Different configurations on request

HYDRAULIC INSTITUTE
PROUD MEMBER

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

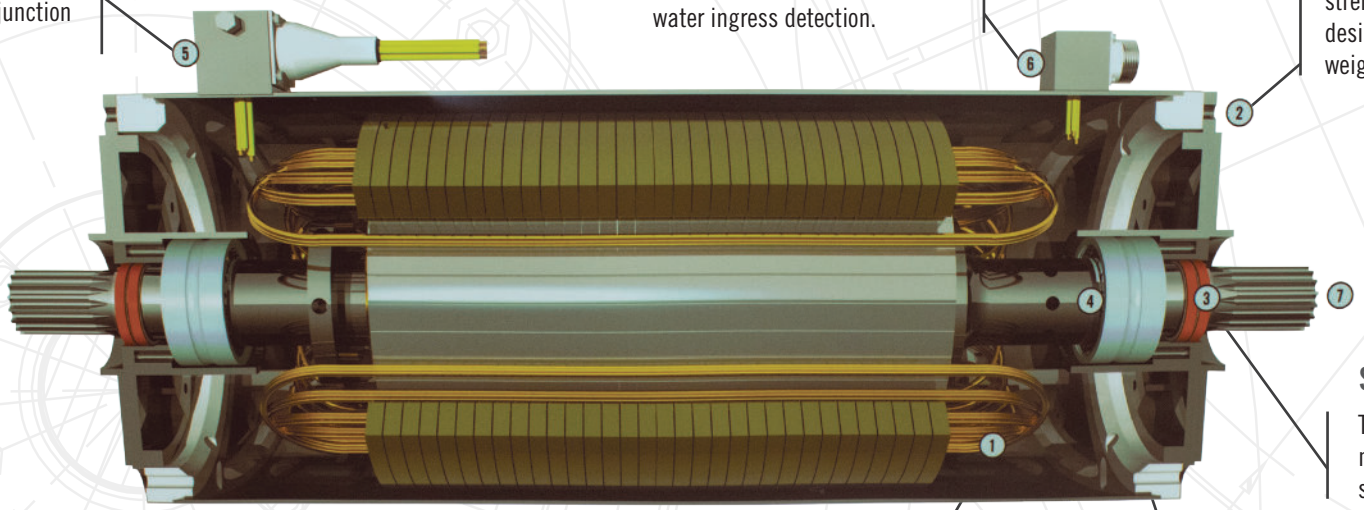
The power leads are a continuous cable configuration utilizing a PBOF design from the junction box on the motor.

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.