



AURORA-6S: 6 PERSON EXEPEDITION MODEL

Light Weight, 300m to 1000m Depth Rated, ABS Classed



The AURORA-6S is a 6-Person (1 pilot and 5 passengers) submarine that has a maximum depth rating range of 300 m to 1000 m and has a dry weight starting at 7500 kg. The submarine's extra-large transparent spherical cabin provides all occupants a view unobstructed by top hatches and side pontoons and thereby provides the sensation of entering the underwater world, as opposed to simply observing it. The seating arrangement maximizes space and comfort for each occupant in the large spherical window and is configured with the rear passengers sitting higher than the ones in the front so that everyone has a stunning underwater view in all directions.



**POWERFUL SUBMARINE WITH
 INGENUOUS DESIGN FEATURES
 COMFORT & SAFE BOARDING**

When floating at surface, this submarine has a high freeboard making a stable platform for people to walk on for boarding. The ease and safety of boarding is enhanced with telescopic handrails on the upper deck, a very large entry hatch, a gentle staircase leading people from the deck to the interior, and sufficient interior space with convertible seating that gives spacious room for the passengers to move comfortably to their seats. This well thought out innovative design ensures safety, comfort, and represents a powerful electric underwater vehicle powered by the latest in lithium polymer battery technology. The submarine is equipped with six powerful electric propulsion thrusters allowing superior underwater maneuverability and is also equipped with the latest subsea technology regarding sonars, cameras, lighting and navigation technologies.



TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Designer / Manufacturer	SEAmagine Hydrospace Corporation
Model	AURORA 6S
Number of Occupants	6 (1 Pilot + 5 Passengers)
Classification	ABS or DNV-GL
Additional Approval	Cayman Island Shipping Registry

DIMENSIONS & WEIGHT

Maximum Depth	300 m (984 ft) – 1000 m (3300 ft)
Length	4.33 m (170 in)
Width	3.30 m (130 in)
Height	2.50 m (98 in)
Dry Weight	7500 Kg – 9100 Kg (16,500-20,000lbs)
Cabin Payload	600 Kg (1320 lbs)
Hatch Diameter	0.75 m (30 inches)
Hoist Arrangement	Single Point Hoist

Size & Dimensions can be customized

PROPULSION

Standard Maximum Speed	3 Knots
Propulsion Type	Brushless DC Electric
Standard Horizontal Propulsion	4 X 10 HP Thrusters
Vertical Propulsion	2 X 10 HP Thrusters
Mission Time;	8 Hours

LIFE SUPPORT SYSTEM

Mission Time	8 Hours
Reserve Capacity	96 Hours
Oxygen Monitoring	Dual O2 Sensors
CO2 Monitoring	Dual CO2 Sensors
Oxygen Delivery System	Flow Control
Emergency Breathing System	Standalone Independent Units

POWER CAPACITY

Battery Type	Lithium Type
Total Power Capacity	40 KWH
Charging Time	5 – 7 Hours



A SUBMARINE FOR SEA-ADVENTURERS

The AURORA-6S is ideally suited for group expedition dives offering exceptional underwater field of views to all occupants in a spacious transparent cabin. The pilot sits in the center rear seat and all the passengers have their seats especially arranged to maximize their views and ensure their comfort. The vessel has deep diving capability of up to 1000 meters and, due to its design, offers a relatively light weight multi-passenger underwater vehicle even with having such an extra-large acrylic cabin.



TECHNICAL SPECIFICATIONS (Continued)

SAFETY SYSTEMS

Emergency Drop Weight System	YES
Fire Extinguisher	YES
Constant Positive Buoyancy	YES
Water Leak Detection System	YES
Automatic Cabin Power Change Over	YES
Life Support Alarm Systems	YES
Ground Leak Detection System	YES
Stalled Motor Over Current Protection	YES
Automatic Emergency Strobe Light System	YES
Boarding Hand Rails	YES

COMFORT

Air Conditioning System (closed cycle)	YES
Seats for Passengers	Leather
Internal Lighting	YES

INCLUDED TOPSIDE SUPPORT EQUIPMENT

Wireless Underwater Communication System	YES
Topside Submersible GPS Tracking System	YES
Topside Depth Tracking of Submersible	YES
Wireless Underwater Text Messaging	Optional

INCLUDED WITH SUBMERSIBLE

- ABS or DNV-GL Classification
- Underwater Communication System for Submersible & Topside
- Topside USBL (Ultra Short Baseline) Tracking Hand Carry Console
- Dual Frequency Forward Looking Sonar
- Powerful Underwater LED Flood Lights
- Doppler Velocity Log (DVL) Navigation on Submersible
- USBL GPS Navigation Software on Submersible
- External Wet Joystick for Surface Handling
- Submersible Battery Charger
- Color Customized to Client's Request

OPTIONAL ADDITIONAL EQUIPMENT

- Robotic Manipulators Arms 5 to 7 Axis Models
- Underwater HD Video Systems with Pan & Tilt Units
- SEAmagine 360 Degree Underwater HD Camera System
- ...More Additional Subsea Equipment Available Upon request