



AURORA-3C PERSON MODEL

Compact 470m Depth Rated 3 Person Submersible, ABS or DNV-GL Classed



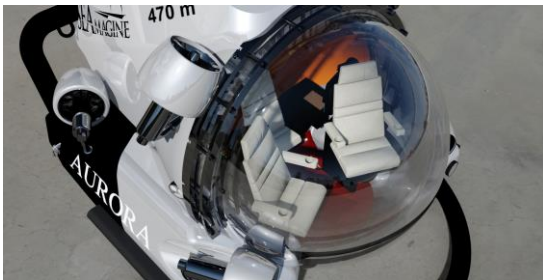
The AURORA-3C model is compact in size and weight, holds 1 pilot and 2 passengers, and is a 1 Atmosphere, ABS or DNV-GL Classed, vessel with a depth rating of up to 470m (1542ft). The configuration provides the occupants an exceptional view, unobstructed by top hatches and side pontoons. The vessel is horizontal when underwater but is tail up when docked at surface and provides a secure horizontal walking deck for safe boarding.

The AURORA-3C can be fitted into a shipping container.



AURORA TECHNOLOGY

SEAmagine's innovative Aurora technology is a new patented approach to submersible design, maximizing the field of view of the cabin and providing an excellent vista. The occupants have a view, unobstructed by side pontoons or upper structures above the window. When floating at surface the submersible has a high freeboard with a stable platform for people to walk on. Telescopic handrails come up from the top deck to provide a safe environment for people to board in a variety of sea states. The Aurora-3C offers a solid and straight back stern designed to securely dock to the support ship at surface, further improving safety and logistics.



EXCELLENT FIELD OF VIEW

The AURORA-3C field of view is greatly enhanced by moving the access hatch away from the top of the window into a separate compartment behind the main cabin. Its unique ability to tilt at surface provides an extremely stable platform for boarding, which does not require obtrusive forward pontoons that severely restrict peripheral viewing. A specifically designed aft section provides an ideal docking configuration that can be firmly secured, as opposed to some awkward geometry. This well thought out approach, derived from experience and ingenuity, is important in ensuring safety and comfort for boarding, even in rough sea conditions.

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Designer / Manufacturer	SEAmagine Hydrospace Corporation
Model	AURORA 3-C
Number of Occupants	3 (1 Pilot + 2 Passengers)
Classification	ABS or DNV-GL
Additional Approval	Cayman Island Shipping Registry

DIMENSIONS & WEIGHT

Maximum Depth	470 m (1542 ft)
Length	3.354 m (132 in)
Width	2.502 m (99 in)
Height	1.854 m (73 in)
Hoist Point Height	1.650 m (65 in)
Cabin Inside Diameter	1.51 m (59.5 in)
Dry Weight	3800 Kg (8377 lbs)
Cabin Payload	340 Kg (750 lbs)

Depth Rating, Weight, & Size Can Be Customized

PROPULSION

Standard Maximum Speed	> 3 Knots
Propulsion Type	Brushless DC Electric
Standard Horizontal Propulsion	4 X Thrusters
Vertical Propulsion	2 X 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

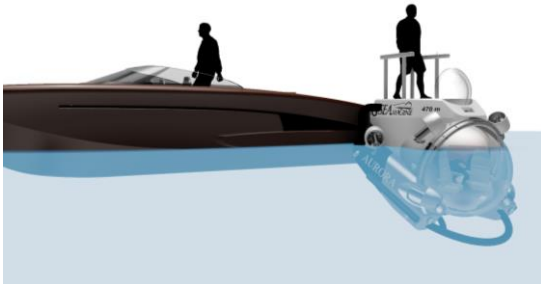
POWER CAPACITY

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



SURFACE OPERATIONS

When floating at surface, the AURORA-3C offers a solid and stable platform with a high freeboard and a horizontal walking deck, assisted with telescoping hand rails, to guide the boarding process to the large top hatch. The purposely designed stern provides a secure docking arrangement to enhance the convenience of the boarding process, critical for rough weather operation. .



SAFE & PLEASANT BOARDING

The AURORA-3C offers a comfortable boarding configuration. The vessel is tail up when at surface and the top deck is horizontal. In this configuration the cabin seats are tilted back so that occupants are sitting horizontally.



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
Leather Seats for Passengers	YES
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

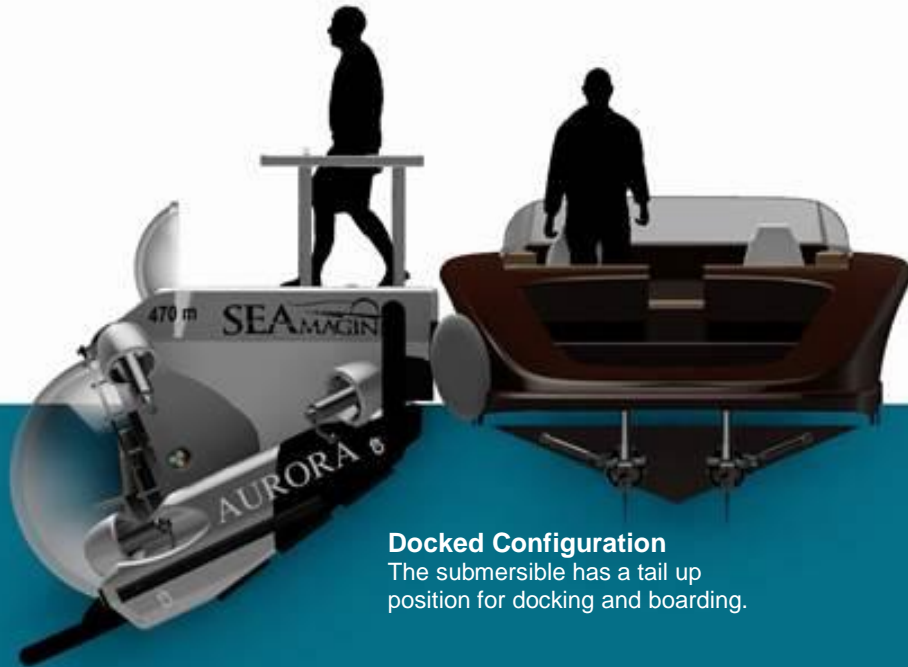
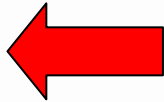
- Full ABS or DNV-GL Classification
- Underwater Communication System for Submersible & Topside
- Topside USBL (Ultra Short Baseline) Tracking Hand Carry Console
- Dual Frequency Forward Looking Sonar
- 5 X LED Flood Lights + 2 X LED Spot Lights
- Doppler Velocity Log (DVL) Navigation on Submersible
- 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
- Fly-Out Mini ROV System with HD Camera, Cutter, & Grabber
- SEAmagine 360 Degree Underwater HD Camera System
- ...More Additional Subsea Equipment Available Upon request

Surface Configuration

The submersible levels out and drives horizontally to the dive site and then submerges.



Docked Configuration

The submersible has a tail up position for docking and boarding.

The AURORA-3C has a Tail-Up position only for docking and then levels out to drive at surface to the dive site.



AURORA-3C TRANSPORTABILITY

The AURORA-3C offers the largest inside diameter for the occupants compared to any other submersible in its weight category. The compact configuration allows the submarine to be stored or transported in a standard shipping container. Furthermore, the submarine's low height and even lower hoist point makes it ideal for setup in confined spaces without compromising on comfort, practicality, robustness, and performance.



ACRYLIC DOME HATCH

The submersible's large entry hatch is configured as an acrylic transparent dome and provides the rear pilot an additional upward view.