



## AURORA 3 PERSON MODEL

200m to 1000m Depth Rated 3 Person Submersible, ABS or DNV-GL Classed

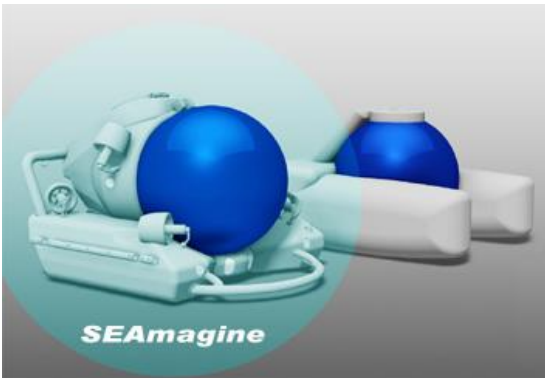


The AURORA-3 model holds 1 pilot and 2 passengers, and is a 1 Atmosphere, ABS or DNV-GL Classed, vessel with a depth rating range of 200m (650 feet) to 1500m (3300 feet). The patented configuration provides the occupants an exceptional view, unobstructed by top hatches and side pontoons. The vessel is horizontal when underwater but is tail up when docked at surface and provides a secure horizontal walking deck for safe boarding. The pilot center seat folds away during boarding to provide a clear passageway for passengers.



### 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 top hatches and side pontoons that provide the sensation of entering the underwater world, as opposed to simply observing it. 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 offers a solid and straight back stern designed to securely dock to the support ship at surface, further improving safety and logistics.



### UNRIVALLED FIELD OF VIEW

The Aurora's 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
Number of Occupants	3 (1 Pilot + 2 Passengers)
Classification	ABS or DNV-GL
Additional Approval	Cayman Island Shipping Registry

### DIMENSIONS & WEIGHT

Maximum Depth	200m (650 ft) to 1500m (5000 ft)
Length (excl. Bumper)	3.71 m (146 in)
Length (incl. Bumper)	4.36 m (172 in)
Width	2.79 m (110 in)
Height	2.40 m (95 in)
Dry Weight	5550 Kg – 6690 Kg (12,250 – 14750 lbs)
Cabin Payload	340 Kg (750 lbs)

### PROPULSION

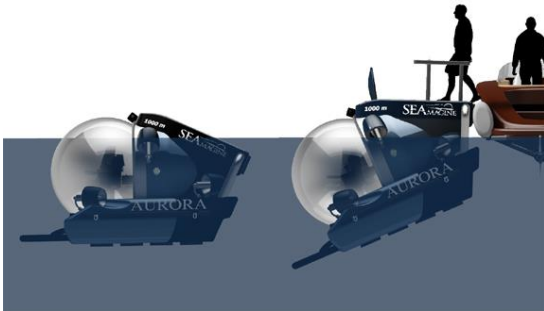
Standard Maximum Speed	3 Knots
Propulsion Type	Brushless DC Electric
Standard Horizontal Propulsion	4 X 10 HP Thrusters
Vertical Propulsion	2 X 10 HP Thrusters
Mission Time;	8 Hours

### 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 Based
Total Power Capacity	40 KWH
Charging Time	5 – 7 Hours



## SURFACE OPERATIONS

When floating at surface, the AURORA-3 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-3 has a staircase from the top deck to the passenger seats. 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. Once the occupants have boarded, and the hatch is close, the submersible will submerge and its angle will change to a horizontal attitude once underwater.



## 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

- 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