

## HARDSUIT™ Quantum 1200

### | Overview

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### Depth Capability

- 800 FSW (245m) HS800
- 1200 FSW (365m) HS1200

### Height

- 81.2 in (206cm) – adjustable to fit operator 5'2"- 6'3" (160 cm – 190 cm)

### Width

- 4 in (112 cm)

### Weight

- 732 lbs (333 kg) in air
- 4- 8 lbs (2-4 kg) in water (flying mode)

### Hull Material

- A356 Cast Aluminum

### Propulsion System

#### Power

- 4x1.1 hp – DC Brushless variable speed
- 65+ lbf per thruster

#### Control

- Foot Controls
- Left Foot – vertical control
- Right Foot – lateral control

### Communication

#### Hard wire

- Digital voice over data

#### Thru water

- 25 or 8 kHz acoustic

### Life Support

- Oxygen re-circulation with fan powered CO2 scrubbing capability
- Back-up oral/nasal lung powered emergency O2
- Dual independent Oxygen system – port and starboard



### Life Support Duration

- 6-8 hrs normal dive time with 42 hrs emergency life support

## Safety / Emergency Equipment

- Thruster (propulsor) Jettison capability
- Tether Cut / Jettison Capability
- Radio frequency beacon / Xenon strobe
- Emergency 37.5 kHz pinger

## Sensor and Tooling Expansion Can

- Standard configuration supports 3 digital inputs and one analog input.

## Optional Navigation Equipment

- Pan, Tilt, Zoom, Focus video camera
- Color imaging sonar
- Digital compass with tilt sensor and turns counter
- Depth Sensor
- Altimeter
- Acoustic positioning system

## Recommended Options

- AMS (Atmospheric Monitoring System)
- Surface monitoring ability for:
  - HPO2 CO2% Cabin Pressure O2 Depth Temperature

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