



DeepWorker 3000

DeepWorker Submersible

Nuytco DeepWorker 3000 Submersible Specifications



GENERAL

- 3300 foot (1000 m) depth rated
- 1 Pilot
- A516 grade 70 steel with 316 stainless hatch rings
- Weight in air: 2265 kg with pilot
- Length: 2.4 m
- Beam: 1.7 m
- Height: 1.75 m
- Payload: 114 kg
- Max speed: 3 knots

LIFE SUPPORT

- Redundant oxygen systems, total capacity 80 man-hours
- Carbon Dioxide removed via scrubbers
- Emergency breathing gas via air BIBS

PROPULSION

- Two main horizontal thrusters, plus two angled vertical/lateral thrusters (adjustable to 3 hp each)
- 4.5 m³ ballast air provided for surface buoyancy/trim

VIEWING

- 660 mm diameter acrylic dome; serves as entry hatch

UMBILICAL

- Vehicle may be operated tethered or untethered

COMMUNICATION

- Surface: ICOM VHF
- Sub-surface: UQC and 27 KHZ Acoustic

POWER

- 22 kW 240 V DC Li-Ion on-board battery supply
- Average dive duration of 6 hours

EMERGENCY EQUIPMENT

- Drop weight jettison capability
- Hull jettison capability
- Emergency battery
 - Powers thru water communications, O2 analyzer and Carbon Dioxide scrubber

ANCILLARY EQUIPMENT

- HD camera, H.264 (Blu-Ray Codec) camera
- SONAR
 - Modified Imagenex, standard scan and ultra-high resolution short range scan
- Newtsun LED Lights
 - 6 x 100 W LED lights
 - 9,600 lumens (each)
- For comparison - a 250 W quartz lamp produces 3,500 lumens
 - 4500° K (cool white)
- HydroNewt Manipulators, standard reach 1500 mm
- Tracking Beacon
- Strobe Light
- RF Beacon
- Iridium Beacon (optional)

Equipment Specification May Change Due to Client's Requirements.
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