



DeepWorker 2000



The one-atmosphere **DeepWorker 2000** submersible allows a pilot to go deeper and spend more time below the surface than traditional diving methods. The compact and lightweight **DeepWorker 2000** is easy to operate and can be piloted with minimal training. Horizontal and vertical thrusters give unparalleled manoeuvrability; the **DeepWorker 2000** can hover and 'fly' underwater.

Submersible Specifications

General:

- 2000 foot (600m) depth-rated
- 1 Pilot
- A516 grade 70 steel with 316 stainless hatch rings
- Weight in air 4000 lbs
- Length: 8.25 ft. (2.4 m)
- Beam: 5.5 ft. (1.7 m)
- Height: 5.7 ft. (1.75 m)
- Payload: 250 lbs (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
- 160 cu.ft ballast air provided for surface buoyancy/trim

Viewing:

- 26" dia. acrylic dome; serves as entry hatch

Communication:

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

Power:

- 22KW 240V DC Li-Ion on-board battery supply

Umbilical:

- Vehicle may be operated tethered or untethered

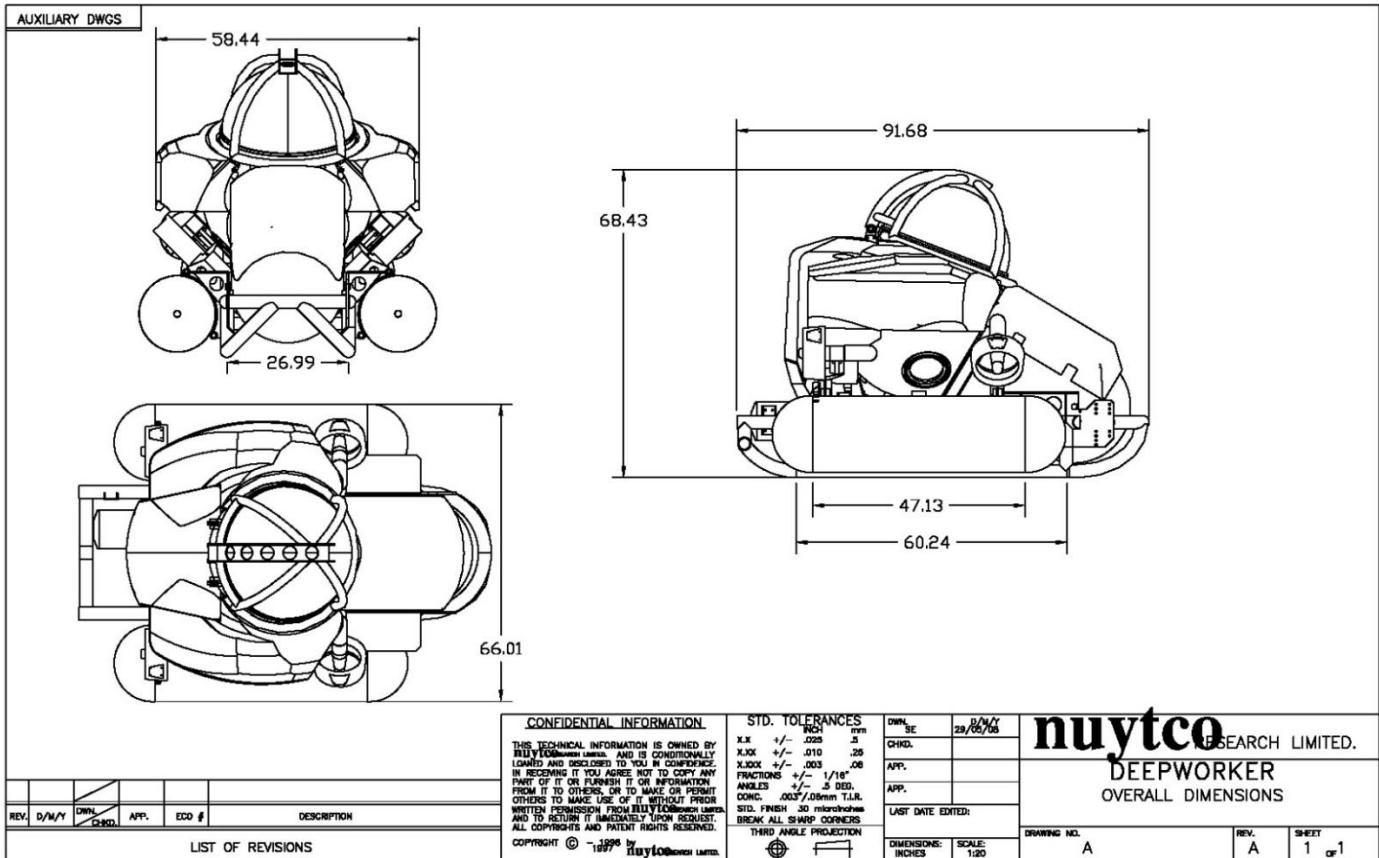
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Emergency Equipment:

- Drop weight jettison capability
- Hull jettison capability
- Emergency battery (for comms and CO2 scrubber)

Optional Equipment:

- HD Camera, H.264 (Blu-Ray Codec) camera
- SONAR, modified Imagenex, standard scan and ultra-high resolution short range scan
- HydroNewt Manipulators, standard reach 5 feet
- Tracking Beacon

- Strobe/RF/Iridium beacon
- Electro magnet
- Magnetometer
- Burial/ excavation pumps
- Sampling equipment
- Precision laser measuring system
- Pipe tracker
- Lift bag salvage module
- U/W cutting module
- Acoustic thickness/CP/EMF Probe
- Other optional equipment available

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