Argus Mariner mkII

Work Class ROV. 75 HP
1000m meters depth rated (optional <6000m)
7 function Schilling Orion Manipulator
4 function Schilling Grabber
Hydro-Lek Manipulators as an option
For Scientific, Military, Offshore
# TECHNICAL SPECIFICATIONS

## General

**Dimensions:**
- Length: 2m
- Width: 1.3m
- Height: 1.3m
- Weight: 1200kg
- Payload: 50kg, or customer requirement
- Frame: Aluminum
- Electronic pods: Hard anodised Aluminum
- Connectors: Subconn / Seaconn, plionial SAIV titan
- Buoyancy: Syntactic foam
- Depth rating: 1000msw (Optional <6000msw)

## Power requirements

- ROV/HPU Power input: 440VAC, 60kW, 3-phase
- Thrusters: 6 x electric, 4 Horizontal and 2 vertical
- HPU Manipulators: 6kW, 200bar-14pm

## Performance

- Bollard pull fwd: 275kg
- lat: 230kg
- vert: 170kg
- Speed fwd: approx. 3kn
- vert: approx. 1.5kn

## Surface controls

- Control Container: 20" feet container (optional)
- Power distribution panel: Fitted Megacon GDI for Power safety
- Control Console: Integrated joysticks in pilot chair, Integrated touch screen, 19" inch rack, Argus Video overlay, HD Hard Disk Recorder, 1 x ergonomic co-pilot chair available
- Workshop Container: 10 or 20" feet container (optional)

## Standard equipment fit

- **Cameras**:
  - 1 x HDTV 1080i F/Z Colour Camera
  - 1 x Lowlight Black & White camera
  - 2 x Utility camera
- **Lights**: 4 x Argus 130W LED Lights, gives 46 000 lumen, 4500 Kelvin in total
- **Pan & Tilt**: 24VDC
- **Depth sensor**: Valeport VA500 0.01%FS
- **Altimeter**: Valeport VA500
- **Compass**: KVH C-100 Fluxgate Rate Gyro
- **Auto functions**: Auto Head, Auto Depth, Auto Altitude
- **Sensor outlets**: 3 x RS-232 and 2 x RS-485

## Optional equipment

- **Sonar**: Blueview, Imagex, Tritech or Mesotech
- **Manipulators**:
  - 4 function Schilling 4R
  - 7 function Schilling Orion
  - Hydro-Lek manipulators
- **HPU Tooling**: 6 - 12kW, 200bar / 14 - 25lpm
- **Optional Ethernet and MBE channels**

## Optional LARS/Winch/TMS

- **LARS systems**
- **LARS is available with AHC as an option**
- **TMS is available with up to 600m tether**
- **Winch for free flying operation**