

# 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

# Argus Mariner mkII

## 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, ptional 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-14lpm

### 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 pilot chair available  
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, Imagenex, Trittech 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

