

Argus Mariner XL



Work Class ROV. 100 HP

1000m metres depth rated

7 function Schilling Orion or Atlas Manipulator

4 function Schilling 4R Manipulator

Hydro-Lek Manipulators as an option

For Scientific, Military, Offshore

Argus Mariner XL

TECHNICAL SPECIFICATIONS

General

Dimensions:	
Length	: 2,1m
Width	: 1,5m
Height	: 1,4m
Weight	: 1800kg
Payload	: 150kg, or customer requirement
Frame	: Aluminum
Electronic pods	: Hard anodised Aluminum
Connectors	: Subconn / Seaconn
Buoyancy	: Syntactic foam
Depth rating	: 1000msw

Power requirements

ROV/HPU Power input	: 440VAC , 75kW , 3-phase
Thrusters	: 8 x electric, 4 Horizontal and 4 vertical
HPU Manipulators	: 6kW , 2000bar-10lpm
HPU Tooling	: 18kW, 200bar-40lpm

Performance

Bollard pull fwd	: 250kg
lat	: 219kg
vert	: 340kg
Speed fwd	: 3kn
vert	: 2kn

Surface controls

Control Container	:20" feet container
Power distribution panel	:Fitted LIMS 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	: 6 x Argus 130W LED Lights, gives 69 000 lumen, 4500 Kelvin in total
Pan & Tilt	: 24VDC
Depth sensor	: SAIV TD303, equal to digiquartz
Altimeter	: Tritech PA500
Compass	: KVH C-100 Fluxgate FOG 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, Tritech or Mesotech
Manipulators	: 4 function Schilling 4R 7 function Schilling Orion 7 function Scilling Atlas
HPU Tooling	: 6kW , 200bar-10lpm

Optional Ethernet and MBE channels

Optional LARS/Winch/TMS

LARS systems

LARS is available with AHC as an option

TMS is available with 400m tether

Winch for free flying operation

