

Argus Mariner XXL 52 110 HP Work Class ROV



thruster system, robust and functional schilling manipulators makes it a capable work class ROV that can take up any task in a subsea environment

Features:

- Water depth rating of up to 2000msw with a payload of 150kg
- 110 HP Electrical Work Class ROV
- HDTV colour camera
- Schilling T4 Master/Slave manipulator and 5 Function RigMaster

110 HP Work Class ROV

The ROV System is a compact 2000msw depth rated system fitted with state of the art components. It is a Work class ROV system fitted with HDTV camera and Schilling T4 Master/Slave manipulator and a Rigmaster grabber. The vehicle is also fitted with an 18kW HPU, 40lpm at 180bar for tooling. The ROV can perform different tasks related to marine applications such as drill support, diver support, touch down monitoring, pipeline surveys, IMR, Seismic survey research and seabed sample collections. With its high



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TECHNICAL SPECIFICATIONS

110 HP Work Class ROV System

SYSTEM FEATURES

General

Dimensions:

| | |
|--------------|-----------------------|
| Length | 2.2m |
| Width | 1.6m |
| Height | 1.8m |
| Weight | 2100kg |
| Payload | 150kg |
| Frame | Aluminium tube T6082 |
| Pods | Titanium and Aluminum |
| Connectors | Titanium |
| Buoyancy | Syntactic Foam |
| Depth Rating | 3000msw |

Power Requirements

| | |
|-----------------|---|
| ROV Power Input | 440VAC, 70kW, 3-phase |
| Thrusters | 7 x electric, 4 horizontal and 3 vertical |
| HPU | 6kW, 210bar - 9lpm |
| HPU Tooling | 18kW, 210bar - 40lpm |

Performance

| | |
|--------------|-------------|
| Bollard pull | fwd 455kg |
| | lat 260kg |
| | vert 395 kg |
| Speed | fwd 2.5-3kn |
| | vert 2kn |

TMS

| | |
|------------|----------------------|
| Dimensions | 1.5m x 1.7m |
| Weight | 1.5tons |
| Slipping | Prizim, 6 fiber pass |

Surface Controls

| | |
|--------------------------|--|
| Control Container | 20feet container 3000VAC power to ROV |
| Power distribution panel | Fitted LIMS for Power safety |
| Control Console | Integrated joystick in pilot chair Integrated touch screen in pilot chair 19inch rack Argus Video overlay, Hard Disk Recorder |

Standard Equipment Fitted

| | |
|-------------------|---|
| Manipulator | 1 x 5 function Schilling Rigmaster 1 x 7 function Schillings T4 |
| Cameras | 1 x Argus RS F/Z HDTV 1080i camera 1 x HD-SDI channels 6 x Composite video channels |
| Sonar | Mesotech MS 1000 |
| Altimeter | Mesotech 1007 |
| Light | 6 x 130W HID Light, gives 65 000 lumen and 4200 Kelvin in total & Tilt 24VDC |
| Pan | SAIV TD 303, equal to digiquartz |
| Depth sensor | KVH C-100 Fluxgate |
| Compass | Rate Gyro |
| Auto function | Auto Head Auto Depth Auto Altitude |
| Hydraulic outlets | 7 outlets fitted, additional on request |
| Survey sensors | outlets 3 x RS-232 & 3 x RS-485 |

LARS/Winch

| | |
|-------------------|-----------------------------|
| Winch power input | 440VAC, 45kW, 3-phase |
| Umbilical | 2300m |
| Dimensions | 6m x 2.9m x 3.2m |
| Weight | 22 tons included, ROV & TMS |
| Slipping | Prizim, 6 fiber pass |



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