

APACHE 7 ROV SYSTEM

Sub-Atlantic's fully electric APACHE remotely operated vehicle is a small compact, high performance professional ROV system which can be used for a variety of underwater tasks such as observation, survey and NDT inspections, etc. The plastic open-frame design, the abundance of space and the generous payload capability provide a versatile solution for the fitting of additional equipment and sensors.



Apache 7 ROV System

Observation class

- Capable undergoes observation and survey
- NDT inspection
- The composite open-frame design, the abundance of space and the generous payload capability provide a versatile solution for the lifting of additional equipment and sensors



GENERAL SPECIFICATIONS

| | |
|---------------------------|----------------------|
| Depth rating: | 500 msw |
| Dimensions (L x W x H): | 0.62 x 0.90 x 0.70 m |
| Weight in air: | 140 Kg |
| Payload: | 30 Kg |
| Umbilical maximum length: | 500 m |

PERFORMANCE

| | |
|-------------------|------------|
| Forward bollard: | 65 Kgf |
| Lateral bollard: | 42 Kgf |
| Vertical bollard: | 28 Kgf |
| Maximum speed: | <3.0 Knots |

AUTO FUNCTIONS

| | |
|---------------|-----------|
| Auto heading | Available |
| Auto depth | Available |
| Auto altitude | Available |

SENSORS

| | |
|---------------|---------------------------|
| Gyro: | Integrated ± 1 degree |
| Depth Sensor: | Integrated ± 20 cm |
| Sonar: | Micro Tritech |
| CP: | Optional |

CAMERAS & LIGHTS

| | |
|---------------|----------------------|
| Tilt unit: | Sub-Atlantic |
| Color camera: | Kongsberg color zoom |
| B&W camera: | Kongsberg low light |
| Lighting: | 3 x 220 VAC, 250W |

MANIPULATORS

1 x 3 function manipulator
5 function manipulator skid (optional)

CONTROL SYSTEM

Surface control unit (SCU): 220/240VAC, 1 phase
Power: 50/60Hz, 2KVA

TMS

| | |
|----------------|---------------|
| Type: | Top Hat |
| Tether Length: | 100 |
| Camera: | 1 CCD |
| Light: | 1 x LED light |

DATA COMMS

| | |
|--------|-------|
| ROV: | RS485 |
| Spare: | RS485 |

CONTROL/WORKSHOP CONTAINER

Dimension (L x W x H): 6.0 x 2.45 x 2.6 m

STANDARD OPERATIONAL LIMITS

Beaufort: 3

LAUNCH & RECOVERY SYSTEM

| | |
|-------------------------|-------------------|
| Type: | A-frame |
| Safe working load: | 1,000 Kg |
| Dimensions (L x W x H): | 4.0 x 2.5 x 3.0 m |

ELECTRICAL REQUIRMENTS

| | |
|-------------------|-------------------------------|
| ROV, Control van: | 440 VAC, 3PH, 50/60Hz 32A |
| LARS: | 400 Vac, 3PH, 50/60 Hz 64A |

ROAD TRANSPORTATION:

Numbers of trucks 2