

APACHE 6 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 6 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