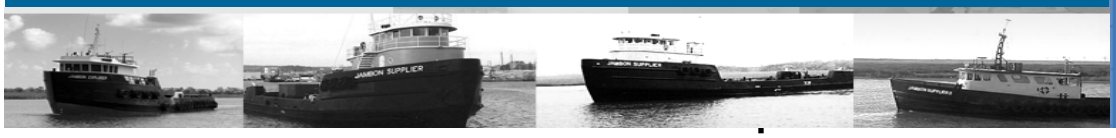
Sub-Atlantic Apache

Remotely Operated Vehicle



General Specifications

Depth Rating:	1000m (3280 fsw)
Payload:	30kg (66.2 lbs)
Height:	620mm (24.4 in)
Length:	900mm (35.4 in)
Width:	700mm (27.6 in)
Mass in Air:	140kg (308.7 lbs)
Propulsion:	(2) Off Axial Horizontal Thrusters
	(1) Vertical Thruster
	(1) Lateral Thruster
Performance:	Forward: 490N (110 lbs = 3knots)
	Reverse: 390N (87 lbs = 2 knots)
	Lateral: 290N (65 lbs = 1 knot)
	Vertical: 290N (65 lbs = 1 knot)
Power Requirements:	7.6kVA @440v AC 50/60 Hz
Construction:	Polypropylene with S.S. Alloy Load Frame
Lighting:	(3) 220V AC (Up to 500w Dimmers)
Cameras:	OE 1324 SIT
	OE 1366 Color Zoom
Sonar:	Imagenex 881 a Scanning Sonar
Features:	Auto Depth/Heading/Cruise Control
	Leakage Protection Units
	Tether/Umbilical Turns Counter
	Video Text Overlay
	Frame Grabbing Software
Telemetry:	Downlink: (8) Analog/(16)Digital
	Uplink: (8) Analog/(16) Digital
	Baud Rate: 50k
	Communication Link: RS 485
Tooling:	(4) Function Manipulator
	Rotating Wire Brush
	High Pressure Water Jet
	Rope Cutter
	CP Probe

Surface Equipment

Main Winch/A-Frame:	Height: 1750mm (5.7 ft)
	Length: 3010mm (9.9 ft)
	Width: 1350mm (4.4 ft)
	SWL: 9810N (2003 lbs)
Armored Lift Umbilical:	Length: 600m (1968 ft)
	Diameter: 27mm (1.1 in)
	Breaking Strength: 160kN (35,969 lbs)
Slip Ring Assembly:	(4) Pass Fiber Optic Unit

A60 Combined Control Van

Height: 2500mm (8.2 ft)
Length: 6100mm (20 ft)
Width: 2500mm (8.2 ft)
Control Area Length:
3000mm (9.8 ft)
Workshop Area Length:
3000mm (9.8 ft)

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