

# Scorpion Specialty Marine Contracting ROV System



## Scorpion SPECIALTY MARINE CONTRACTING ROV SYSTEM

THE 75 HP SCORPION ROV SYSTEM is a highly reliable multi-task vehicle, designed to accomplish a complete range of subsea inspection and intervention tasks. The Scorpion features high quality fiberoptic video and data transmission and a 180 m tether management system. A single HPU helps reduce the overall size of the vehicle frame and foam block, resulting in a low profile, low resistance ROV package with excellent hydrodynamic characteristics.

### APPLICATIONS

Multi-task survey operations
Construction support
Pipelay support
Drilling support
Remote intervention
Search and salvage support
Geophysical survey support
Tooling deployment
Suction pile operations

### VEHICLE SPECIFICATIONS

<b>Vehicle Power</b>	75 hp
<b>Depth Rating</b>	1,000 m
<b>Thrusters</b>	3 x vertical plus 3 x horizontal innerspace thrusters

Specifications subject to change.

### SURVEILLANCE

1 x Simrad OE Near SIT camera
1 x Simrad OE 1367 color zoom camera
1 x Simrad OE 1359 CCD B / W camera
1 x Simrad OE 1393 B / W camera
Schilling Orion 7-function S / C manipulator
Rigmaster grabber
971 sonar

### TETHER MANAGEMENT SYSTEM

183 m tether
1 x Simrad OE 1392 B / W camera

#### Dimensions

<b>Diameter</b>	1.83 m
<b>Height</b>	2 m
<b>Weight in Air</b>	1,678 Kg
<b>Weight in Water</b>	1,360 Kg

### UMBILICAL WINCH / LARS

#### DYNACON 421 Umbilical Winch

<b>Drum Capacity</b>	1,200 m
<b>Umbilical Length</b>	985 m
<b>Maximum Line Speed</b>	30 m / min
<b>Maximum Umbilical Length</b>	1,200 m (on 7 layers of 42 mm diameter umbilical)
<b>Voltage Range</b>	380 - 440 VAC at 50 Hz / 415 - 480 VAC at 60 Hz
<b>Power</b>	45 Kw

#### LARS

Dynacon 6013 A-frame	
<b>Inboard Reach</b>	3.4 m
<b>Deployed Reach</b>	3 m
<b>Width Between A-frame Legs</b>	2.46 m
<b>Height Under A-frame</b>	6.76 m

### CONTROL CABIN AND CONSOLES

<b>Length</b>	6.1 m
<b>Width</b>	2.4 m
<b>Height</b>	2.4 m
<b>Weight</b>	5,450 Kg



[www.HelixESG.com](http://www.HelixESG.com)

**Canyon Offshore**  
5212 Brittmooore  
Houston, Texas 77041 USA

Office 713.856.6010  
Fax 713.856.6020

*Europe / West Africa*  
Helix House, Kirkton Drive,  
Pitmedden Industrial Estate,  
Dyce, Aberdeen, UK, AB21 0BG

Office +44-(0)1224-351800

*Asia Pacific*  
25 Loyang Crescent  
Loyang Offshore Supply Base  
Block 603, Tops Ave 6, Unit 1, Box 5009  
Singapore 508988

Office +65 6-501-0130  
Fax +65 6-542-8675