

SEAHORSE 5 ROV SYSTEM

Seahorse 5 is a well-established and proven performer in deep water operations. The ROV system offers a comprehensive combination of thrust, payload, through-frame lift and sensor interface. The system offers versatility, reliability and capacity of a wider option of tooling operations without sacrificing maneuverability and thrust. In addition to that an upgrade on its Fibre Optic Multiplexing data transmission system allows for more data and video channels to be relayed to surface via single SM Fibre. This opens up the option for utilization of spare fibres for 3rd party equipment ie. cameras, sensors, etc. without interfering with the ROV's control channel.



Seahorse 5 WORK Class ROV System

75 HP of Electric Power

- Compact light Work class ROV
- Auto heading, depth, altitude
- Serial, Video, Ethernet via single mode fibre
- HD camera capability (IP)
- PLC Based control system
- 3000 VAC thrusters



GENERAL SPECIFICATIONS

Depth rating:	1000 msw
Dimensions (L x W x H):	1.75 x 1.3 x 1.5 m
Weight in air:	1.5 ton
Through- frame lift:	200 kg
Payload:	200 kg

PERFORMANCE

Power:	75 HP
Thrusters (Horizontal):	4 x SP300
Thrusters (Vertical):	2 x SP200
Forward, aft, lateral BP:	800 kg
Vertical up pull:	200 kg
Forward, aft speed:	3.5 knots
Lateral, Vertical speed:	2.5 Knots

AUTO FUNCTIONS

Auto heading:	± 2.5 degrees
Auto depth:	± 15 cm
Auto altitude:	± 15 cm

SENSORS:

Gyro:	Fiber optic, DSP3000
Navigation compass:	KVH 100
Depth Sensor:	Digiquarts
DVL:	Optional
Altimeter:	Tritech PA 500
Sonar:	Kongsberg MS1000

CAMERAS & LIGHTS

First Pan & Tilt:	1 x Hydra Lek
Second Pan & Tilt:	Optional
Low light B/W:	1
Colour CCD Zoom:	1
Colour CCD Fixed focus:	2
Dimmable lights:	4
Flood lights:	2

MANIPULATORS

6 Function:	Hydra Lek 6F
5 Function:	Hydra Lek 5F

TOP HAT TETHER MANAGEMENT

Optional

CONTROL, WORKSHOP CONTAINERS

Control	10 feet ISO, Offshore
Power	10 feet ISO, Offshore
Store	6 feet ISO, Offshore

LAUNCH & RECOVERY SYSTEM

Type:	A-Frame
Dimensions (L x W x H):	4.0 x 2.5 x 3.0 m
Max height:	6.0 m
A-Frame weight:	6 ton
Winch (L x W x H):	2.2 x 2.5 x 2.0 m
Winch weight:	3 ton
Winch max umbilical:	1,000 m
HPU (L x W x H):	Integrated in winch
HPU Weight:	N/A

STANDARD OPERATIONAL LIMITS:

Beaufort:	6
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ELECTRICAL REQUIRMENTS:

ROV, Control van:	380/480 VAC, 50/60 Hz 3PH, 150A
LARS:	400/460 VAC, 50/60 Hz 3PH, 50A

ROAD TRANSPORTATION:

Numbers of trucks:	1-2
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