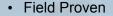
The Hydra® Magnum represents the backbone of Oceaneering's fleet of high-powered remotely operated vehicle (ROV) work systems with deepwater capabilities. Reliable and easily maintained, the ROV provides a 120 hp, high-thrust, cage-deployed system that is designed to accommodate underwater intervention tasks in support of oil and gas drilling, construction, and production activities. The Hydra® Magnum evolved from years of experience in deepwater work

class ROV operations. The ROV delivers performance in water depths to 10,000 fsw and also in severe weather conditions.

Oceaneering maintains a world leadership position in providing deepwater work class ROVs to the oil and gas industry. The Hydra® Magnum ROV is one several types of ROVs in the company's extensive fleet that are designed and built at Oceaneering's Morgan City, Louisiana facility.



- Ultra Reliable
- High-Powered
- · Easily Maintained









Vehicle

Length: 8.5 ft
Width: 4.8 ft
Height: 6 ft
Weight in air: 5,600 lbs

Frame: 6061 T6 Aluminum Fittings: 316 Stainless Steel

Depth Rating: 10,000 ft Payload: 500 lbs

Horsepower: 2 ea 60 hp Hydraulic Power

Units (120 hp)

Propulsion: 2 x Fore/Aft 2 x Lateral

2 x Vertical

Thrust:

Forward/Reverse: 1,250 lbs Lateral: 1,185 lbs Vertical: 1,000 lbs

Power Requirements: 480 VAC, 3 phase, 60 Hz Telemetry/Control: Asynchronous serial data

transmission microprocessor control for auto heading, depth,

altitude, & cruise, data displays

Lighting: 5 x 250 watts

Cameras: 1 x Wide angle Low Light, 1 x

Color CCD

2 x B&W CCD tooling 1 x B&W CCD aft

Navigation:

- Mesotech MS900 color imaging sonar
- KVH or Honeywell HMR3000 gyrocompass
- · Dinsmore directional heading sensor
- Paroscientific Digiquartz depth sensor

Manipulators:

- 1 x 7 function Schilling Conan
- 1 x 7 function Schilling Orion
- (Other options available)

Umbilical

High-strength, armored opto-electro-mechanical

Subsea Deployment Cage

Length: 11 ft
Width: 6.6 ft
Height: 12 ft
Weight in air: 7,400 lbs
Weight in water: 4,050 lbs
HPU: 60 hp

Tether: 600 ft Standard 1,600 ft optional

Camera: 2 x B&W CCD Lighting: 2 x 250 watts

Deployment System

Dynacon 421/421D3 Winch
Length: 14 ft 10 in
Width: 10 ft 8 in
Weight (w/cable): 48,000 lbs
Dynacon 6021 Docking Head A-frame

 Length:
 38 ft

 Width:
 11.5 ft

 Weight:
 65,000 lbs

Standard Tooling Packages

- 1.25 in Dia. wire rope cutter
- 1 in fiber rope cutter
- Ring gasket replacement tool
- TP03 dredge/jet pump, Rotary grinder/cutter/buffer

Control / Work Vans

Lengths: 14 / 16 ft Width: 8 ft Height: 8 ft

Weights: 9,960 / 14,000 lbs

Constructed of Aluminum

Options include stacking and Positive Pressure vans

