



MARINE IMAGING TECHNOLOGIES

8 Otis Park Drive, Unit 4, Bourne, MA 02532

CATAPULT



Marine Imaging's coastal aluminum catamaran

The MV Catapult is a 35' 1990 Bellcraft catamaran with twin 315hp Yanmar diesel engines producing a 14 knot cruising speed with a 250nm range. Rebuilt and re-powered in 2013, she previously operated as a dive boat in the north Atlantic. In 2020 she was purchased by Marine Imaging in 2020 and adapted to operate as an ROV survey platform.

Her straightforward utilitarian design begins with the 300° view provided by her large windows. The cabin hosts a utility galley, interior head, heating, air conditioning, hot water and two 6' bench seats, one of which converts to a worktable while the other converts into bunks for overnight accommodations or long passages.

The helm instrumentation includes two Lowrance HDS10 multifunction displays with autopilot, a Furuno depth finder, dual VHF radios, additional video monitors and a ship hailer.

The power plants are Yanmar 6LPA-STP diesel engines powering Konrad twin prop outdrives. Her cruising speed is 14 knots at 20gph while her WOT is 20 knots.

Her Phasor 6kw generator produces both 110v and 220v AC and the vessel is wired with a single 220v plug for ROV operations. A second 220v generator is added on the fore-deck as a backup power supply.

Specifications

Length: 35'-0 / 10.7m
Beam: 13'-0 / 4.0m
Draft: 4'-0' / 1.2m
Air Draft: 12'-0" / 3.7m
Weight: 16 Tons

Top Speed: 20kn @ 35 gph
Cruising Speed: 14kn @ 12 gph
Range (w/reserve): 250 nm

Tankage

Fuel: 250 gal
Fresh Water: 160 US gal
Potable Water: 5 US gal
Black Water: 40 US gal

Propulsion

Yanmar 6LPA-STP Diesel
Engines (x2)
Rhodan Gen 4 GPS Guided
Electric Motors (x2)



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She is equipped with a medium duty davit on the starboard stern which has a 1200lb electric winch and access to the hydraulic capstan. A light duty davit with electric winch is mounted midships on the port side. When requested, a side mount sensor pole can be installed, placing the sensor two feet below the hull chines

For ROV operations, her interior is converted to a 6' control table (with chairs) and a 6' bench for observers. The monitor rack along the port bulkhead is typically set with a large 4k monitor, a 20" HD monitor, multiple 4k Atomos video recorders and the ROV Pilot's multi-input 4k monitor. The 110v & 220v power is supplied by the Phasor 6kw generator. Her large observation windows have blackout curtains, achieving an 80% blackout for monitor viewing.

The engines, generator, and tanks are divided within the two pontoons with an additional 60 cubic feet of storage space per pontoon.



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Electronics

- Lowrance HDS10 Multifunction Screen (x2)
- Furuno FCV-620 Depth Finder
- Lowrance Chartplotter
- Standard Horizon VHF Radio (x2)
- Autopilot
- Garmin 800 AIS
- Northern Lights 6KW 220v Generator
- Radar
- Garmin InReach

Mechanical

- 800lb SWL Stern Davit
- 400lb SWL Midships Davit w/ Electric Winch
- Side Mount Sensor Pole
- Hydraulic Bow Capstan
- Hydraulic Stern Capstan

Safety

- EPIRB
- SART
- 8 Person Life Raft
- SOLAS 275N Work Vests with ACR PLB (x6)
- Immersion Suits (x6)
- Handheld Searchlight

Amenities

- Air Conditioning & Heating
- Microwave
- Deck Shower (Hot & Cold)
- Internal Electric Head
- LED Deck Lights
- Wash Down Hose
- Aft Work Deck, 110 sq ft
- Forward Work Deck, 66 sq ft
- Aft Work Table, 14 sq ft (removable)
- Digby
- Dive Ladder
- Dive Platform
- Wash Down Hose (Fresh & Salt)

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