

ELASTEC

Omni Catamaran

Multi-Purpose Workboat



Optional litter basket shown.



Oil Spill Equipment | Floating Barriers | Incinerators



Vessel Specification

Overall Hull Length	23 ft / 7.0 m
Beam	8 ft 3 in / 2.5 m
Hull Depth	2 ft / 0.6 m
Operating Draft MS Hull (Lightship)	13 in / 33 cm
Displacement (Lightship)	2,800 lb / 1,270 kg
Max. Cargo/Payload Capacity*	2,204 lb / 1,000 kg
Max Speed (lightship)	8 knots
Fuel Tank	18 gallon

*Combination of persons or cargo on-board

The ELASTEC Omni Catamaran is manufactured at Elastec’s Carmi, Illinois USA facility. Its unique design allows for a variety of Drop-In Pods to be positioned between the hulls of this versatile catamaran to perform a variety of waterway maintenance and marina tasks. The different Pods enable a variety of roles - floating trash collection, quay wall /river walk wash down, sanitation pump out, cargo transport and lifting (using A-Frame). When the deck plates are in place, the Omni Catamaran becomes a useful platform for conducting maintenance tasks. This vessel requires minimal upkeep as it has few moving parts. Propulsion is provided by a single outboard.

Features and Benefits

- Shallow draft, excellent maneuverability for operating in confined spaces
- Optional trailer for easy transport
- Marine grade aluminum construction
- Stable working platform with variety of deck configurations

The handrails are removable to allow easy deck access.
A range of loading ramps and ladder designs are available.

Vessel Characteristics

Designed for sheltered waters, the multi-function, highly maneuverable ELASTEC Omni Catamaran is manufactured from high quality marine grade aluminum. The unique drop-in pod system allows for a range of duties to be undertaken efficiently while offering a large flat working area with excellent stability.

Special Features

- Optional Drop-In Pod System allows the vessel to perform many functions.
- Wheeled fenders allow the craft to be driven along quay walls where trash is most likely to collect.
- Cutaway transoms allow the boat to pull away from quay walls with ease.

Hull

- Two pressure tested hulls of 3/16 inch / 4.7 mm marine-grade aluminum linked by traverse beams.
- Separate water-tight compartments.
- ¼ in tread plate decks.
- Four built-in lifting points.
- Four heavy duty aluminum deck welded mooring cleats.
- Inspection points to all water-tight compartments.

Deck

- Deck plates - constructed from aluminum tread plate (non-slip) on supporting box section, these plates can be positioned in a variety of combinations over the opening between the hulls. They provide a useful working space
- Handrails - Removable (lift off) aluminum safety handrails, recess-mounted to the hull for easy loading of wheel-on equipment/storage containers.

Stability/Operational Range

- The vessel is designed for operation in sheltered waters. The operating max recommended conditions are a wave height of 1 ft / 0.30 m and occasional 1.6 ft / 0.50 m.
- The design is suitable for sub-tropical conditions without any restriction in performance. The hull can be protected with a suitable anti-fouling paint (optional).

Fendering

- Heavy-duty D section marine rubber protective fender.
- Wheeled fenders on all sides for running along quay walls.

Storage Box

- Aluminum deck storage box mounted forward of the wheelhouse with cushioned hinged lid serves as crew seat.



Standard Equipment

Deck Light
Flotation Ring
Center Console with Pivoting Metal Canopy
Hydraulic Steering
Removable Handrails
Tread Plate Decking
Removable Deck Plates
USCG LED Navigation Lighting
Zinc Anode Protection
Horn
Push Pole (Boat Hook)
(2) 9 Gallon Plastic Fuel Tanks
Marine Radio
Depth Sounder

Optional Equipment

Fire Extinguisher
Personal Flotation Devices
Trailer with Spare Tire
(2) 12 Gallon Plastic Fuel Tanks

Outboard Motor Options

Suzuki 25 hp
Suzuki 50 hp (recommended)

Optional Drop-In Pods

Litter Basket Pod
A-Frame Lifting Pod
Pump Out Pod
Wash-Down Pod
Weed Cutter
Cargo Pod





DECK PLATES (INCLUDED)

Standard non-slip aluminum tread plates provide a solid-surface working platform allowing the Omni Catamaran to be used as a general waterway maintenance vessel.

The Omni Catamaran’s unique Drop-In Pod System (each sold separately) allows for a range of duties to be performed efficiently while offering a large, flat working platform and excellent stability.



PUMP OUT POD

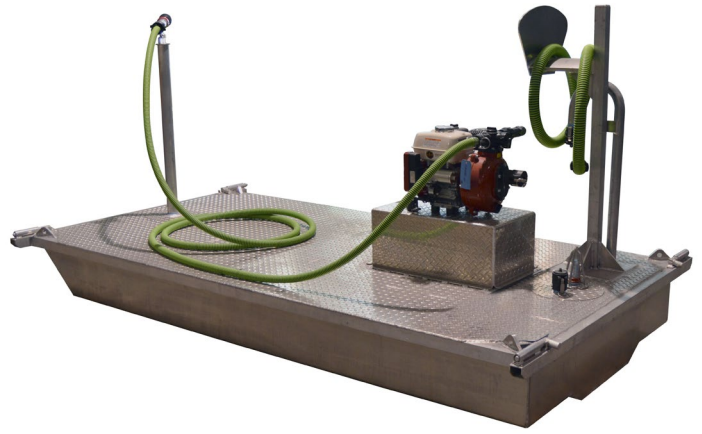
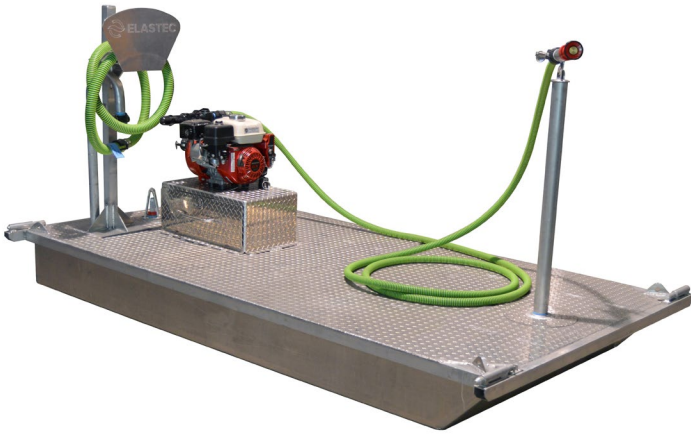
The Pump Out Pod is designed for servicing sewage holding tanks on boats allowing the Omni Catamaran to serve as a “valet” pump out boat. The pod’s holding tank is located below deck, adding to the stability of the Omni Catamaran. The pump system may also be used in emergency situations where pumping of a bilge or other location is needed. Pump out grants may be available for vessels equipped with these systems.

Static Suction Lift	15 ft / 4.57 m
Dry Suction Lift	12 ft / 3.65 m
Discharge Head	15 ft / 4.57 m
Max Volume	40 gpm / 152 lpm @ 60 cycles/minute
Power	3.5 hp gasoline engine

LITTER BASKET POD

The Litter Basket Pod has a capacity of 99 cu ft / 2.8 cubic meters that allows the Omni Catamaran to collect floating trash and debris in harbors, marinas and protected waterways. Strengthened corner points allow for secure crane hoisting. The forward gate is operated by the pilot at the console. Safety screens covering the basket are easily raised and lowered. A pilot controlled electric winch raises and lowers the forward section of the basket for less drag while underway. A four leg lifting harness is included.





WASH-DOWN POD

The Wash-Down Pod features a gasoline power washer to spray river walks and docks. It includes a 300 gallon tank or water can be pumped from water body.

Engine	Honda 6.5hp single cylinder air cooled engine 12V electric start with recoil backup 1.5 gallon / 5.7 litre fuel tank
Pump	C.E.T. dual stage centrifugal Aluminum body and impeller Two 1 inch / 25 mm delivery outlets One 1.5 inch / 38 mm NPSH delivery outlets
Volume	70 gpm / 266 lpm @ 10 psi /0.7 bar 40 gpm / 151 lpm @ 100 psi / 6.9 bar 20 gpm / 76 lpm @ 125 psi / 8.6 bar



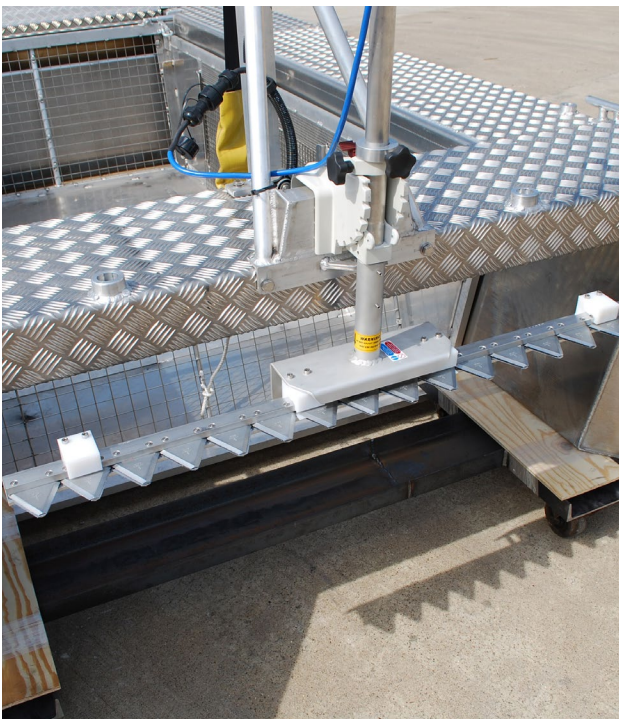
A-FRAME LIFTING POD

The A-frame Lifting Pod with a 1,500 lb. mid-ship pull for added stability is ideal for hoisting and inspecting navigational buoy moorings and a multitude of applications that cannot be accomplished with standard craft.



CARGO POD

The Cargo Pod is a recessed compartment for transporting equipment. It features strengthened corner points for crane lifting and has a maximum load capacity of 2,204 lb / 1,000 kg.



LAKE MOWER

The Lake Mower is designed to cut invasive aquatic plants. The 4 ft wide cycle cutter is used in conjunction with the Litter Basket Pod to trim and collect marine vegetation.

Cutting Width	4 ft / 1.2 m
Cutting Depth	Down to 3 ft / 0.9 m below water surface 5 or 7 ft / 1.5 or 2.1 m with extenders
Blades	Upper bar - 15, Lower bar - 16
Height	68 inches / 172 cm
Width	48 inches / 10 cm
Weight	45 lb / 20 kg

TORQUEEDO



Cruise 3

Our Omni Catamaran can be powered by an electric outboard to prevent emitting harmful emissions into the atmosphere. The Torqeedo Cruise 3 is a 24 V, 6 HP, Cruise 6 is a 48 V, 9.9 HP, and Cruise 12 is 48 V, 25 HP-equivalent electric outboard. Both the remote and tiller version can be easily mounted on your boat with only a couple of tools. These are also available in a twin arrangement for up to 50 HP.

The Cruise 3 is powered by either one lithium battery (Power 24-3500) or with lead batteries (lead-gel or AGM). Must be provided for operation.

The Cruise 6 and 12 are powered by at least one lithium battery (Power 48-5000).



- Maximum efficiency outboard
- Integrated on-board computer with GPS-based range calculation
- 25 mm² cable set (3m) including fuse and main switch
- Emergency magnetic stop key
- Battery cable bridge for lead batteries
- Fuse and main switch



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