

4ocean Mobile Skimmer

Specifications

5083 and 6061 aluminum frame and construction

Stainless steel components and hardware

HDPE molded removable pontoon system

Non-skid decking on all flat surfaces

Safety railing system on exterior perimeter

Coast Guard compliant lighting and navigational lights

Self-contained hydraulic pump systems

(2) 40hp four stroke EFI outboard engines (electric / trim / tilt)

Redundant engine motor and gauges

Dual hydraulic steering for outboard

EPA-compliant fuel system and tank

NMEA 2000 connectivity for onboard electronics and engine monitoring

9" Simrad touchscreen display (GPS / sounder / gauges / fuel monitor)

VHF radio with hailer

Function Overview

The 4ocean Mobile Skimmer was designed and engineered as an efficient and cost-effective solution to extract floating debris from a variety of waterways.

The Mobile Skimmer acts as a surface-skimming vessel as it moves through the waterway. Utilizing forward-facing, hydraulically-controlled skimming arms, a single operator can gather a large volume of marine debris and redirect it under the unit.

As debris accumulates under the unit, a hydraulically-controlled conveyor belt system transfers debris from the surface to strategically-placed, custom-made debris sacks. A hydraulically-controlled, aft-mounted boom crane is designed and placed to safely move and offload sacks containing up to 1,000 pounds of marine debris. It can also be used to onboard large pieces of floating debris and/or move additional gear.

Powered with midrange horsepower four-stroke fuel-injected outboards, the Mobile Skimmer can run all day while consuming minimal fuel. The entire hydraulic system runs on 12-volt motors to keep energy consumption at a minimum while the engines return charge to the battery bank.

The conveyor belt system is constructed with aluminum framing and stainless components. The belting sits well below the waterline while in service and can be raised for trailering or for operation in shallow waterways.

From the custom-built cab, the operator has complete control of the vessel including the hydraulics systems, conveyor belt system, all navigation and electrical systems, communications, and motor functionalities. The helm was designed to be both ergonomic and functional to make long shifts less fatiguing; it's even fitted with an air ride adjustable captain's chair.

With forward-folding arms, a recessed conveyor belt, and narrow beam, no component removal is required to transport the Mobile Skimmer on its custom trailer. The vessel can also be completely disassembled to fit within a standard 40' ocean freight shipping container if needed.

Specifications (Continued)

28" LED forward-facing light bar with strobe and dual spreader deck lights

Bluetooth stereo unit with (2) 4" speakers

Backlight rocker switch panel

12-volt power throughout battery bank system

Onboard battery / shore charger

Independent hydraulic controls for arms and conveyor

Air ride adjustable helm seat

Manufacturer Statement of Origin



