



Rozema

47ft / 14m OSRV

Oil Spill Response Vessel



Oil Spill Equipment | Floating Barriers | Incinerators



The Rozema 47 is the latest high-speed, high-volume oil spill response vessel available with Elastec’s award-winning, breakthrough grooved disc skimming technology. Equipped with dual inboard Elastec X30 cassettes, the Rozema 47 ft / 14 m is a fully functional, multi-purpose emergency oil spill response boat capable of recovering 260 gal of oil per minute / 60 cu m/hour with a 90% recovery efficiency. The boat stands apart with its bollard pull of 19,000 lbs / 8,618 kg and high speed (26 knots approximately) capabilities. Due to the engine’s Twin Disc MGX transmissions the boat is capable of slow speed operation for skimming oil

Specification

Overall Length:	51ft / 15.5m including push knees
Beam:	16 ft 8 in / 5.1 m
Draft:	60 in / 1.5 m Light Ships (approximately)
Propulsion:	Two Scania model I-085 engines, rated at 650 hp each
Speed:	26 knots approx. (light)
Bollard Pull:	19,000 lb / 8,618 kg (approximately)
Fuel Capacity:	850 gal / 3,218 liter
Nameplate Oil Recovery Rate:	260 gal of oil per minute / 60 cu m/hour
Oil Collection Speed:	1 to 4 knots
Integral Recovered Oil Tank:	2,730 US Gallons / 10.3 cu. m



Hull / Deck Features

47 ft / 14.3 m X 16 ft / 4.8 m Aluminum (marine grade) Mono Hull Construction:

Bottom, Sides, Transom	1/4 inches	5086
Wheelhouse, Decks,	3/16 inches	5052
Chines, Keel, Engine Girders	1/2 inches	5086

Single level work deck, walk around cabin.

Raised pilothouse with accommodations below.

4 inch / 100 mm D-rubber protection around hull

Integral push knees with 6 inch D-rubber

Full width transom swim step

Deck Equipment

Anchor winch with 66 lb / 30 kg Bruce anchor

Anchor winch installed on fore deck. 300 ft / 90m of anchor line and 60 ft / 18m of chain (3/8") is provided

Tomil SL-4000M/3S hydraulic crane (or equal) w/ winch

1 1/4 inch hydraulic driven wash down pump

Freeman hatch access lazarette / engine room, bow and cargo areas

8 ea. 15 inch cast aluminum cleats.

8 inch x 1/2 inch wall fixed tow post

30 inch high, 4 inch diameter, sch 80 H-bit on the fore deck

Four lifting eyes



Hydraulics

Dual pressure compensating /load sensing pumps (6.00 CID pump mounted on each engine) charging system hydraulics to skimmers and offload pump, crane, anchor winch, and wash down pump.

Oil Skimming Equipment

Elastec X30 Cassette Skimmer
2,730 US Gallons / 10.3 cu. m integral recovery tank.
Two 32 ft / 10 meter sweep boom with outrigger.
Hydraulic driven offloading and recovery pumps.

Propulsion & Auxiliary Machinery

Engine cooling with heat exchanger, wet exhaust.
Transmission Twin Disc 5114IV MGX
(slow speed operations)
Hydraulic power steering.
Tunnel drive prop design, SS shaft,
Nybral 36 x 38.5 inch Propellers
Niad 10" hydraulic bow thruster

Electrical

Marine grade wiring throughout
Northern Lights 12hp / 9kw generator
(120 v power to pilot house and accommodation area)
Fire and bilge alarm system
Three 3700 gallons per hour / 233 liters per minute
bilge pumps
Cathode hull protection
Dual battery system with a third isolated for electronics.
Isolation transformer

Lighting

All required navigational lighting provided
Forward and aft deck flood lights
Interior lighting provided, red / white in pilot house, dome lights in accommodation area
Lighting provided in engine room, lazarette, and forward trunk cabin
Carlisle Finch remote controlled spotlight

Electronics / Navigational Aids

Electronic and navigation equipment as specified by client - optional extra on request



Pilot House

Raised pilothouse with 360 degree visibility.
 Wiper and wash system on forward windows.
 Full instrumentation console
 Single operation station (steering, throttle, transmission controls)
 Hinged chart table with chart storage
 Operators chair with lift arms, slide and air cushion
 6 ft 6 inch bench seat
 120v wall mount heater with thermostat
 2 – 6 inch circulating fans
 HVAC 36,000 btu Marine Air by Dometic or equal with 24,000 btu cooling

Interior Below

Enclosed head with holding tank, SS sink with faucet
 Pressurized hot and cold fresh water system, 55 gallon / 208 liter tank
 Sink with faucet in accommodations area with storage under cabinet
 Two 6 ft 6 inch bench seats, port seat with hinged back for additional bunk space.
 12,000 btu cooling unit.
 Storage for Survival suits, PFD's etc



Paint and Coatings

All deck surfaces covered with a marine grade non-skid coating.

Hull - three coats of anti-foul paint. (E-Paint – SN1 – Black)

The bottom of the vessel will be prepped and primed with two coats of epoxy primer and top coated with three coats of anti-foul paint. (International Copper Free or equal)

Fire Suppression

Firebouy MD 1450 or equal extinguishing system

Safety Equipment

6 man, USCG approved inflatable life raft in drum style raft enclosure to be mounted on cabin top.

Raft will be Viking or equal

Two, type B1, ABC fire extinguishers

ACR, Global 6 EPIRB w/ a hydrostatic



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