



41-foot Utility Boat



45-foot Response Boat-Medium

Characteristics

Length: 41' 3"	Length: 44' 10½"
Beam: 14' 1"	Beam: 14' 7¾"
Draft: 4' 1"	Draft: 3' 4"
Speed: 26 knots	Speed: 42.5 knots
Range: 300 nautical miles at 18 knots	Range: 250 nautical miles at 30 knots
Towing: 100 tons	Towing: 100 tons
Weather limitations: 8' seas, 30 knot winds	Weather limitations: 8' seas, 30 knot winds

Capabilities

Night and fog visibility

No vision enhancement capability	Infrared camera part of system
Boat actions limited	Crew able to perform more effectively because of better vision at night and in fog

Person recovery

High gunwales on side of boat	Recessed recovery well
Crew must work from aft deck to recover individual	Boat can pull alongside individual and crew doesn't have as far to reach for recovery

Fender system

No fenders as part of the hull	Fender system
Crew must deploy fenders	Boat can come alongside without risk of damage from bumping or shifting, freeing the crew for other tasks

Alongside larger vessels

Overhead of pilothouse is enclosed	Overhead of pilothouse has a window that is made of polycarbonate, which can withstand a great impact
Coxswain's visibility is restricted	Coxswain has better visibility of the larger vessel

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Navigating through debris in the water	
Appendages under the hull include propellers, rudders, shafts and shaft struts	Use of water jets eliminates appendages under the hull
Collision between debris and appendages under the hull is difficult to avoid	No appendages to damage. Water jets can be back-flushed to clear debris
Assisting vessel taking on water	
Dewatering pump located in recessed deck below gunwale	Dewatering pump located on aft deck above gunwale
Crew must hoist pump above gunwale for delivery	Crew can deliver pump quickly and with less effort
Assisting distressed boater close to shore	
Draft: 4 feet, 1 inch	Draft: 3 feet, 4 inches
Must consider depth	Can conduct operations in shallower water and closer to shore like smaller boats but with more capabilities
Propulsion when conducting recovery operations	
Propeller propulsion system	Jet drive system
The boat must maneuver carefully to avoid striking the individual with propellers	The boat can quickly and safely approach individual
Seating	
Seating: 2 seats for crew of 4	Seating: 4 seats for crew of 4
Seating for helmsman and navigator only, forcing other crewmembers to stand, resulting in fatigue	Seating for all crewmembers, minimizing fatigue and increasing crew performance and safety
Operating in moderate, choppy seas	
Longitudinal center of gravity aft of the midpoint of the boat	Longitudinal center of gravity is at the midpoint of the boat
Crew experiences a rougher ride	Crew experiences a smoother ride