



38

DEFIANT FIRE RESCUE

METAL SHARK
ALUMINUM BOATS





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38

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The Metal Shark 38' Defiant Fire Rescue This state of the art, all-weather fire response boat has been built from Metal Shark's 38' Defiant model, a proven pilothouse platform which has been chosen as the standard US Coast Guard training boat and is also in use as a patrol boat serving various forces worldwide. In fireboat trim, it features multiple monitors, full electronics with night-vision FLIR camera, and a positive-pressure CBRNE (chemical, biological, radiological, nuclear, and high-yield explosive) filtration package for enhanced response capabilities in disaster response situations.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Hull Design: The 38' Defiant features a proven Metal Shark hull design that has been engineered and built to precise tolerances. To achieve its superior hull life rating of 30+ years, the hull is composed entirely of heavy, welded plates of premium-grade 5086 aluminum alloy. Thanks to its wide 11'5" beam and pronounced reverse chines, the 38' Defiant is extremely stable, responsive, and surprisingly quick. Equipped with either triple outboard engines or twin diesels mated to waterjets, the 38 Defiant will reach speeds approaching 40 knots.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Pilothouse: The 38 Defiant's spacious pilothouse provides all-weather comfort and security for the entire crew, and thanks to Metal Shark's implementation of pillarless glass technology, it also offers best-in-class safety and visibility. Metal Shark implemented this design in order to significantly reduce the dangerous blind spots that are so prevalent in conventional pilothouse vessels, and the results are immediately apparent upon stepping aboard.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Helm: Inside the pilothouse, the entire crew benefits from the massive windows, overhead skylights, and large opening side and aft doors. Self-parking windshield wipers and window defrosters maintain visibility during inclement weather. The spacious port and starboard helm areas easily accommodate a wide array of custom-installed electronics, with additional mounting space available in the overhead electronics pod.



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ALUMINUM BOATS

38

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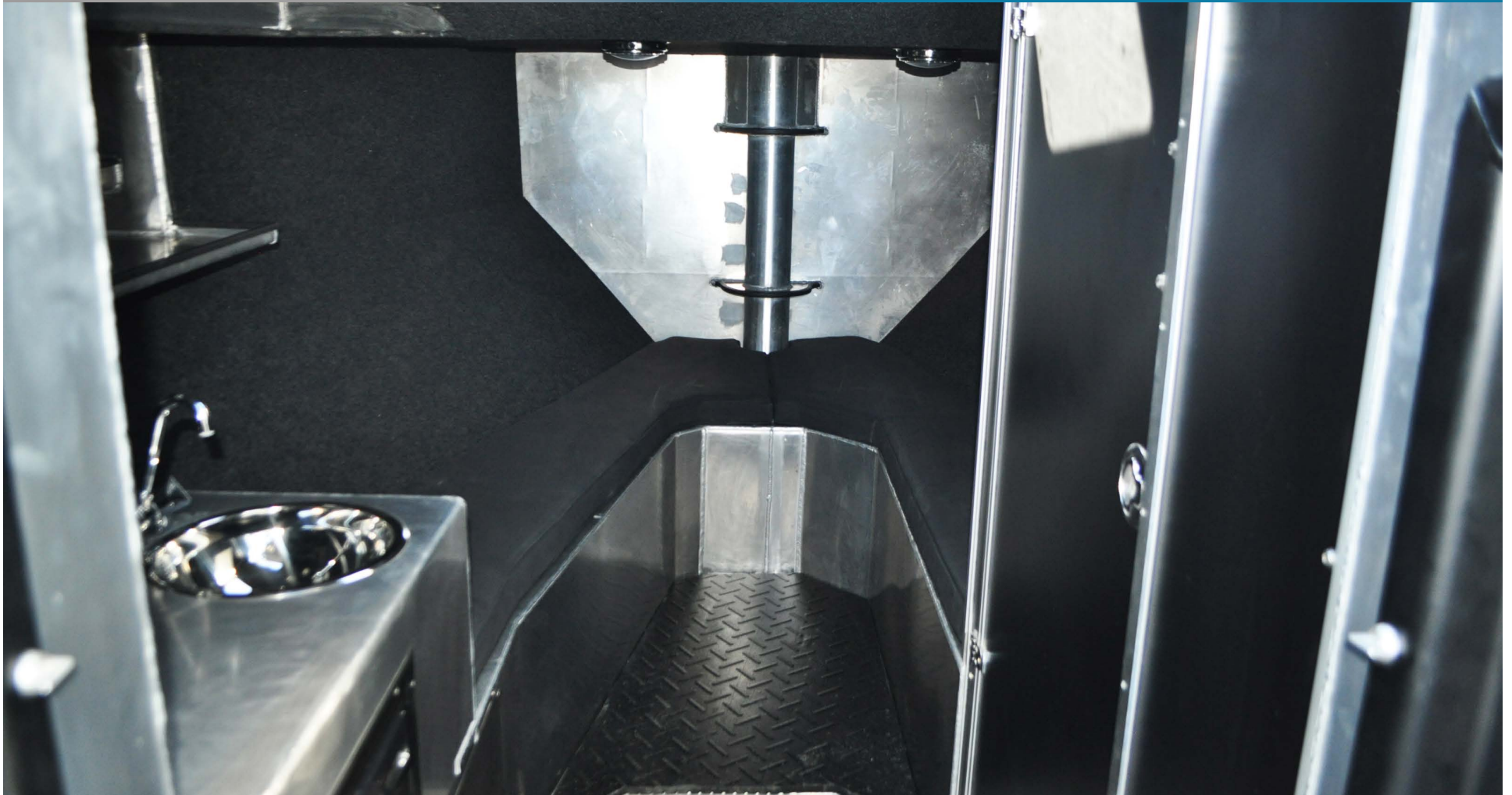
Seating: The 38 Defiant is shown here in a water ambulance configuration: Three shock-mitigating seats are located on the port side, with another at the starboard helm just ahead of a bench seat that converts to twin bunks. There are latching storage compartments beneath each seat, and well-placed grab rails throughout. Numerous seating options and available climate control combine to afford a high level of crew comfort regardless of the mission at hand.



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38

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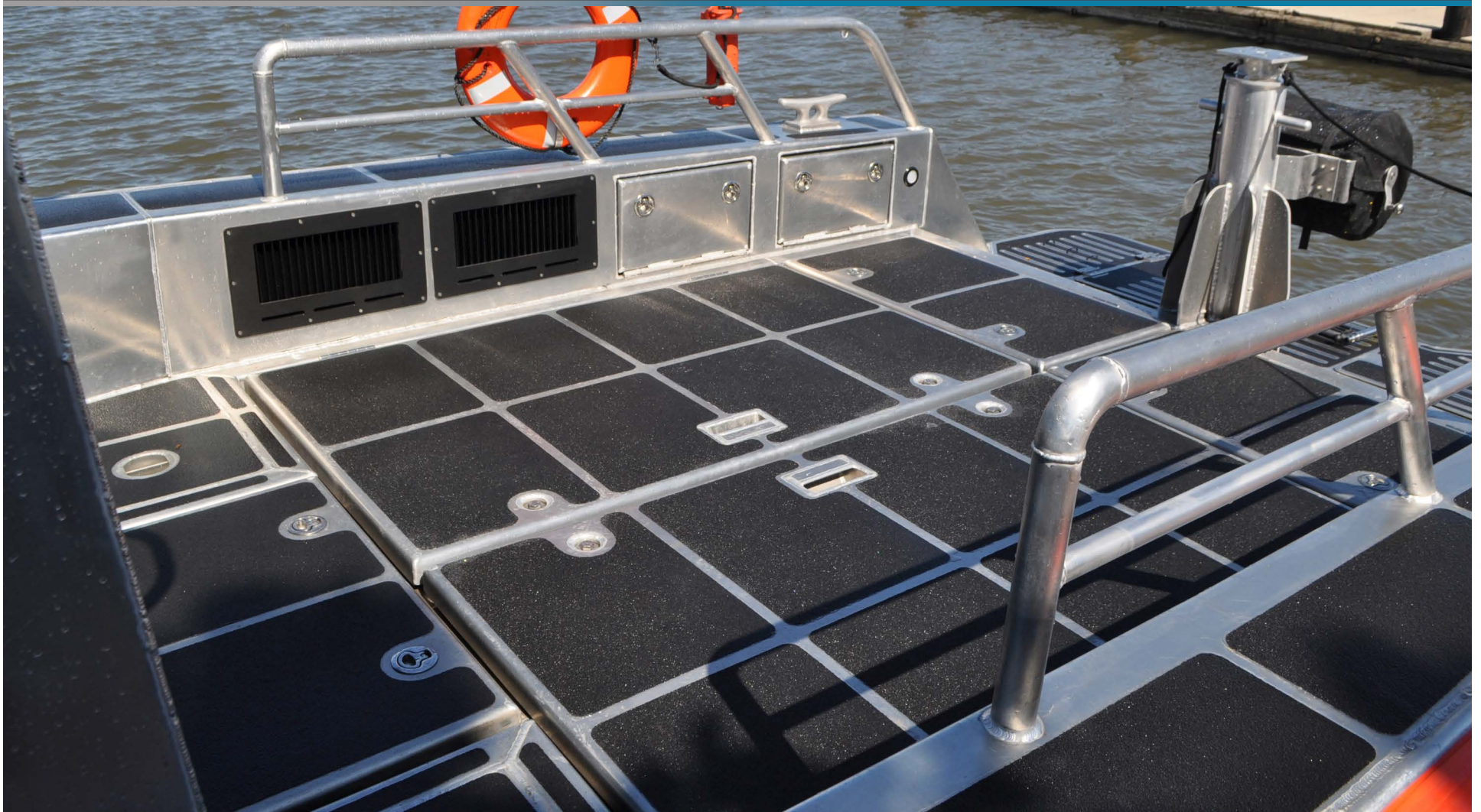
Cabin: Like other Defiant models, the 38 Defiant is available in bow cockpit and cuddy cabin models. The cuddy cabin (shown here) features a port-side galley with sink and refrigerator. A microwave or other conveniences may be added. To starboard, there's an enclosed head compartment with vacuum toilet, fresh water sink, and hot water shower. A v-berth is forward. This space may be custom configured to suit a wide range of needs including crew quarters, secure storage, or, an open bow area that is accessed through a forward door in the pilothouse.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Aft Cockpit: The 38 Defiant boasts a massive, wide-open working deck, with ample room for backboards or other equipment. Large in-floor hatches open to reveal the 38 Defiant's massive engine compartment, and gasketed dry storage lockers have been provided to port and starboard. Other notable features shown here include the optional machine gun mount and towing bit, line spool, and tubular aluminum swim platform with dive ladder.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Twin Diesel / Waterjet Configuration: The 38 Defiant shown here is equipped with twin Cummins 6.7L diesels mated to Hamilton 292 waterjets. This package delivers the reliability and economy of inboard diesels, plus the shallow-draft capability and maneuverability of water jet propulsion. By utilizing the water jet's split-duct thrust-reversing "buckets," the vessel can be brought from planing speed to a full stop within two boat lengths. Pivoting, turning, crabbing sideways, and other maneuvers are accomplished with ease. Top speed with this package approaches 40 knots.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Triple Outboard Configuration: The 38 Defiant shown here is equipped with triple Mercury Verado 300 HP four-stroke gasoline outboard engines. This setup delivers higher top speeds and costs considerably less than the diesel waterjet setup, and offers the advantage of a compact, self-contained propulsion system installed completely outside of the boat. Set up as equipped, this vessel reaches a top speed of 50 knots. As an OEM installer for all major outboard manufacturers, Metal Shark can install the engine brand you prefer. Other noteworthy features shown here are the engine protection bar, port and starboard dive reliefs, and full bow rail.



METAL SHARK
ALUMINUM BOATS

38

DEFIANT - FIRE RESCUE



Fire Fighting Equipment: As equipped here, a 2,000 GPM Darley fire pump is front-mounted onto the vessel's starboard engine, and draws from a center-mounted in-hull sea chest to allow for full-flooded suction. Water is handled via a forward RF-controlled "Scorpion" monitor and also an aft manual monitor, both by Elkhart Brass. There are also two hand line valves, and a 5" Storz hydrant fitting. A bow thruster has been added for additional station-keeping control. Finally, the vessel has been equipped with a full CBRNE positive-pressure filtration system for added security during chemical, biological, radiological, nuclear, or high-yield explosive disaster response missions.



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ALUMINUM BOATS

38

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SPECIFICATIONS:

Length Overall: 38' 2" / 11.6 meters
Beam: 11' 5" / 3.36 meters
Draft: 30" / .76 meters
Fuel Capacity: 400 gallons / 1514 liters

KEY FEATURES:

Bilge Pumps: (2) 3700 GPH
Bow Bit & (6) 10" Cleats
Collar: Solid Foam Wraparound
Construction: Welded 5086 Aluminum Alloy
Dash: Large, for Electronics and Controls
Decks: Self-Bailing w/ Scuppers
Dive Reliefs: Port & Starboard
Electronics Mounting Pod: Overhead
Fans: Overhead Circulation
Fire Extinguishers: (3)
Fuel/Water Separators: Racor (2)
Defrosting System: Cabin
Grab Rail Package
Ladder, Removable
Life Ring w/ Mount
Lifting Eyes, Four-Way
Lighting: Courtesy LED Work Lights
Lighting: Accommodations Area
Lighting: Courtesy LED Work Lights
Lighting: Low-Level Walkway Illumination
Lighting, Navigation
Lockers: Bow/Anchor & Stern
Marine Head
Non-Skid Decks & Gunnels
Pilothouse: Fully enclosed, 360-degree visibility
Radar Arch: Folding
Steering Helm, Tilt Hydraulic

KEY FEATURES, CONTINUED:

Tow Post / Gun Mount: Forward
Windows & Doors: Diamond SeaGlaze
Wipers: Self-Parking
Zinc Anodes, Hull

COLLAR & HULL FENDERING SYSTEM:

Heavy-Duty Sheath-Wrapped Foam Collar
Bolt Rope Style Attachment System
Black rub strake
Anti-fouling paint preparation behind collar
Custom color choices & UV coating protection
Integrated dive relief cutouts



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38

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