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# 75 ENDURANCE DSV

DIVE SUPPORT VESSEL





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The **Metal Shark 75 Endurance DSV** is a welded aluminum pilothouse catamaran specially designed for dive support operations. Its wide beam affords ample stability, and its roomy belowdecks accommodations allow crews to remain at sea for extended periods. Like all Metal Sharks, the 75 Endurance DSV may be fully customized to meet a wide range of specialized mission requirements.



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**Hull Design:** The 75 Endurance DSV 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 vessel's hull, deck, and pilothouse structure are composed entirely of heavy, welded plates of premium-grade 5086 aluminum alloy. Thanks to its wide beam and catamaran hull design, the 75 Endurance is extremely stable. The 75 Endurance may be equipped with straight-shaft inboards, water jets, or pod propulsion systems.



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**Deck Layout:** At the heart of the 75 Endurance DSV's crew-friendly design is a spacious deck arrangement offering wide-open work spaces and allowing for easy, surefooted passage from bow to stern. The vessel layout may be custom configured to meet specific mission requirements, but regardless of configuration careful consideration is given to the placement of grab rails and footholds. All belowdecks machinery spaces are easily accessed via large water-tight deck hatches, and walkways feature low-level LED lighting for nighttime operation. Heavy duty rubrails provide protection during alongside maneuvers, and urethane sheathed foam collar fendering systems are available.



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**Pilothouse:** The most immediately apparent advancement in Metal Shark's Endurance pilothouse design is the use of pillarless glass to substantially enhance visibility. The result is a near elimination of the dangerous blind spots which are an unfortunate drawback of conventional pilothouse vessels. The cabin space is fully configurable for any mission profile, with multiple options for crew seating, dining and lounge areas. The 75 Endurance DSV shown here is fully configured for offshore dive ops. Specialized onboard systems on this vessel include dive station, deck decompression chamber, Nitrox O2 enriched diving system, jet pump, 5,000lb crane, diver hydraulics, diver hot water, FLIR camera, LRAD, diver recovery system, and a deployable recovery RIB.



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**Helm:** The 75 Endurance DSV features a massive dash area that easily accommodates all controls, instruments, and navigation equipment, allowing for easy operation of the vessel and all onboard systems. The elevated helm affords an outstanding view; facilitating navigation and maneuvering during multi-vessel maneuvering or dive ops.



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**Helm Detail:** *The Metal 75 Endurance DSV's spacious helm can easily accommodate a full range of controls, instrumentation, navigation electronics, and specialized equipment.*



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**Diveboat Capability:** Shown here is the aft deck dive station of a 75 Endurance DSV. For dive operations the 75 Endurance can accommodate custom equipment including dive station, deck decompression chamber, Nitrox O2 enriched diving system, jet pump, 5,000lb crane, diver hydraulics, diver hot water, FLIR camera, LRAD, diver recovery system, and a deployable recovery RIB.



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**Diveboat Capability:** Shown here is an onboard decompression chamber installed aboard a 75 Endurance DSV. With its spacious layout, the 75 Endurance DSV easily and capably accommodates complex onboard systems.



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**Diveboat Capability:** The 75 Endurance DSV may be equipped with a large aft deck crane, such as the 2,160lb. capacity unit shown here.



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**Crew Accommodations:** Below-decks, the twin hulls provide berthing for a crew of up to twelve, with an enclosed head. Sleeping accommodations are separated from the pilothouse allowing off watch crew to rest without disrupting operations. Layouts may be modified to fit virtually any mission profile.



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**Crew Accommodations:** Onboard accommodations may include full galley with refrigerator/freezer, icemaker, freshwater sink, microwave, electric cooktop, and other conveniences. Available onboard systems include HVAC, water heater, water maker, marine Vacu-Flush head with holding tank, and other systems as requested.



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## **SPECIFICATIONS:**

Length, Boat Only: 75'

Beam: 24'

Hull Draft: 50"

Fuel: Dual 600 Gallon Tanks

## **KEY FEATURES (TYPICAL ARRANGEMENT):**

Batteries, Optima - Quad

Bilge Pumps: (4) 3700 GPH

Bow Bit & (8) 10" Cleats

Collar: Solid Foam Wraparound

Construction: Welded 5086 Aluminum Alloy

Cabin Defrosting System

Chart Table w/ Integrated Storage

Dash: Large, for Electronics and Controls

Decks: Self-Bailing w/ Scuppers

Dive Reliefs: Port & Starboard

Electronics Mounting Pod: Overhead

Fire Extinguishers: (4)

Fuel/Water Separators: Racor (2)

Grab Rail Package

Galley with Sink, Refrigerator, and Stove

Head, Enclosed w/ Marine Toilet, Sink, & Hot Water Shower

Ladder, Removable

Life Ring w/ Mount

Lighting: Accommodations Area

Lighting: Courtesy LED Work Lights

Lighting: Low-Level Walkway Illumination

Lighting, Navigation

Lockers: Bow/Anchor & Stern

Non-Skid Decks & Gunnels

Settee w/ Table (Converts to Berth)

Steering Helm, Tilt Hydraulic

Shore Power Cord w/ Charger

Stern Bit

Windows, Diamond SeaGlaze

Windshield Wipers, Self Parking

## **COLLAR & HULL FENDERING SYSTEM:**

Heavy Duty Trapezoidal Rub Rail

Anti-fouling paint preparation behind rub rail

-Or-

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

## **SPECIAL NOTE:**

*As a fully custom designer and manufacturer, Metal Shark routinely modifies vessels to meet a customer's specific requirements. Customization may entail anything from altering the physical dimensions and capacities of the vessel to the installation of specialized equipment and accessories.*

*Electronics, seating, paint finish (if desired) and virtually any other aspect of the vessel's features may be determined by the customer.*

*The specifications and key features shown here are representative of a common vessel setup and are given for reference only.*



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**METAL SHARK**  
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**PHONE:** 337.364.0777

**FAX:** 337.364.0337

**EMAIL:** [sales@metalsharkboats.com](mailto:sales@metalsharkboats.com)

**WEB:** [www.metalsharkboats.com](http://www.metalsharkboats.com)