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80/85 DEFIANT

Based on Globally Proven Damen Stan Patrol Designs



DESIGNS BY
DAMEN



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Metal Shark, a leader in patrol boat design and production, has enhanced Damen's Stan Patrol designs by integrating crew-friendly features such as pillarless glass and raked windshields for unparalleled pilot-house visibility. These and other enhancements are visible throughout each Metal Shark Defiant-class vessel.

The **Metal Shark 80 and 85 Defiant** are welded aluminum patrol vessels based on Damen Shipyards' 2505 and 2606 standardized patrol craft platforms, and built by Metal Shark in Louisiana, USA. The Stan Patrol design has been extensively proven, with multiple parent craft vessels in service with US and foreign militaries. Metal Shark, a leader in patrol boat design and construction, has applied its own proprietary patrol boat enhancements to this proven hullform. The result is a reliable and efficient vessel boasting next-generation features that enhance mission capability.



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85 DEFIANT

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Nearly 100 parent-class 2505 and 2606 Stan Patrol vessels are currently in service worldwide.

Design Overview: The Metal Shark 85 Defiant patrol craft accommodates a wide range of mission profiles including search and rescue, border patrol, police and customs duties, and securing waters of economic importance. Key attributes include excellent performance and seakeeping, large payload capacity, economical operating cost, proven durability, and modern crew-friendly design. The 85 Defiant serves as an ideal mothership in support of extended offshore and nearshore patrol operations. The vessel supports an onboard crew of ten+ personnel, with accommodations allowing it to stay on station in support of missions at sea for extended periods of time.



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Hull Design and Construction: The 85 Defiant employs a deep vee hull with raked bow, wide reversed chines, and spray rails. Propeller tunnels have been integrated into the aft running surface to enhance efficiency, reduce draft, and to mitigate noise and vibration while underway. The vessel's fully welded aluminum hull features multiple watertight bulkheads and oversized scantlings throughout. A wide 19.5' beam assures ample stability while underway or at rest. All integrated tanks and machinery areas are accessible via watertight manholes or access hatches.



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85 DEFIANT



Deck Layout: The 85 Defiant boasts a modern, crew-friendly design with an efficient deck arrangement offering ample payload capacity while allowing for safe and surefooted passage from bow to stern. Wide, non-skid walkways feature low-level LED lighting for night missions, and careful consideration has been given to the placement of all rails and grab handles. Crew members may safely traverse the vessel, day or night, even in adverse weather conditions. Ample impact protection has been provided for alongside maneuvers, and integrated stern ladders facilitate water access.



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85 DEFIANT



Payload Particulars: The 85 Defiant's large aft deck easily accommodates a 5.5-meter, 10-person Rigid Hulled Inflatable Boat (RHIB), which is deployed and retrieved via an integrated stern slipway. The vessel may serve as a fuel carrier, with 55-gallon drums securely stowed in ejection racks. In typical configuration, aft deck cargo capacity is up to four tons, with total vessel deadweight (fuel, persons, cargo, etc.) rated at 20 tons. This, combined with the 85 Defiant's stability, endurance, and ample belowdecks crew accommodations, make the vessel ideal for mothership operations in support of extended patrol missions at sea.



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Proven Lineage: Damen Stan Patrol 2606, 85 Defiant parent craft, built for the Ecuadorian Coast Guard.



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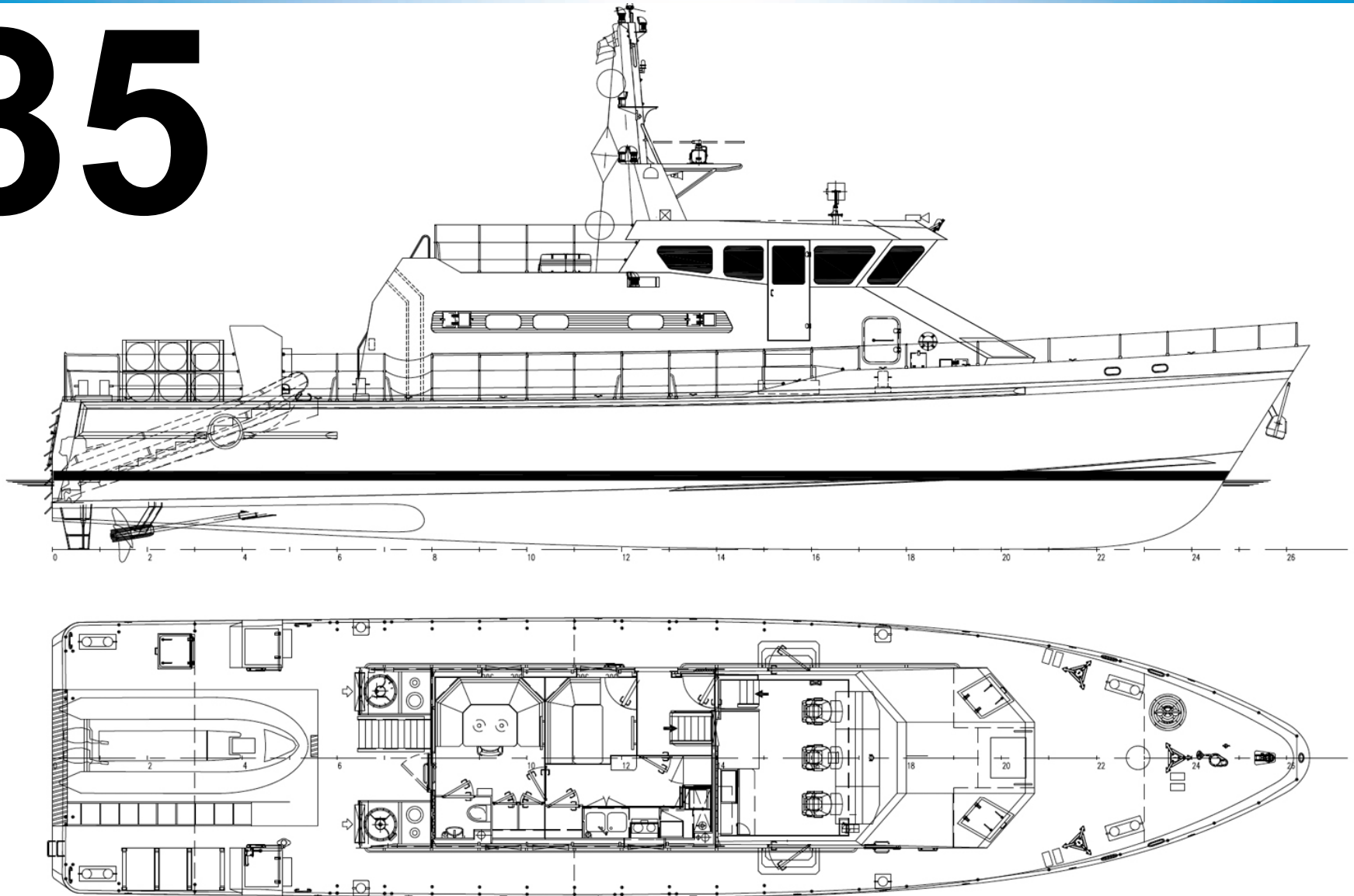
Metal Shark's 85 Defiant is a truly global platform, sharing parent-craft lineage with not only multiple foreign military vessels but also the US Coast Guard's 87' cutter class, which is based on the Damen 2606 Stan Patrol.



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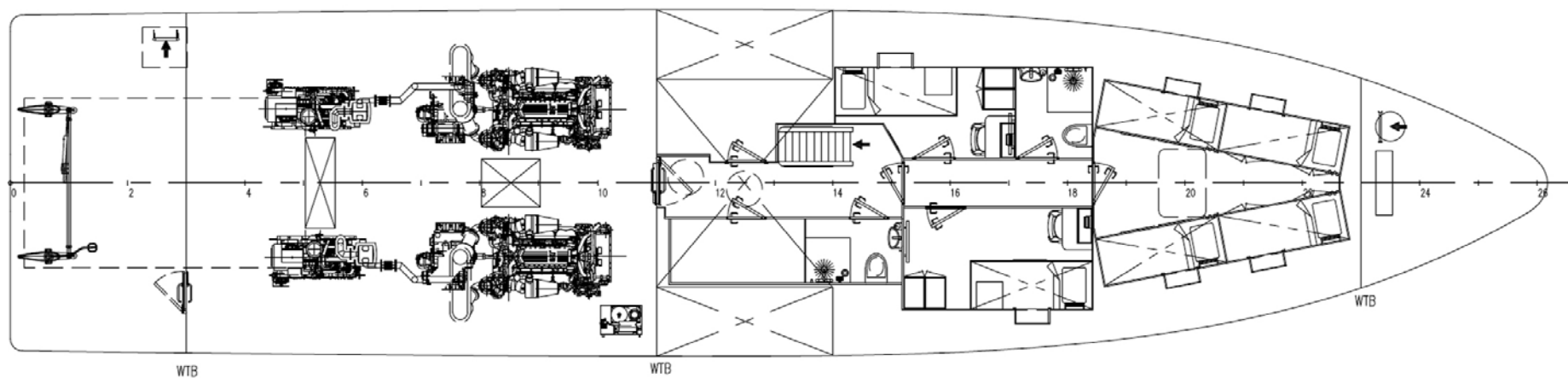
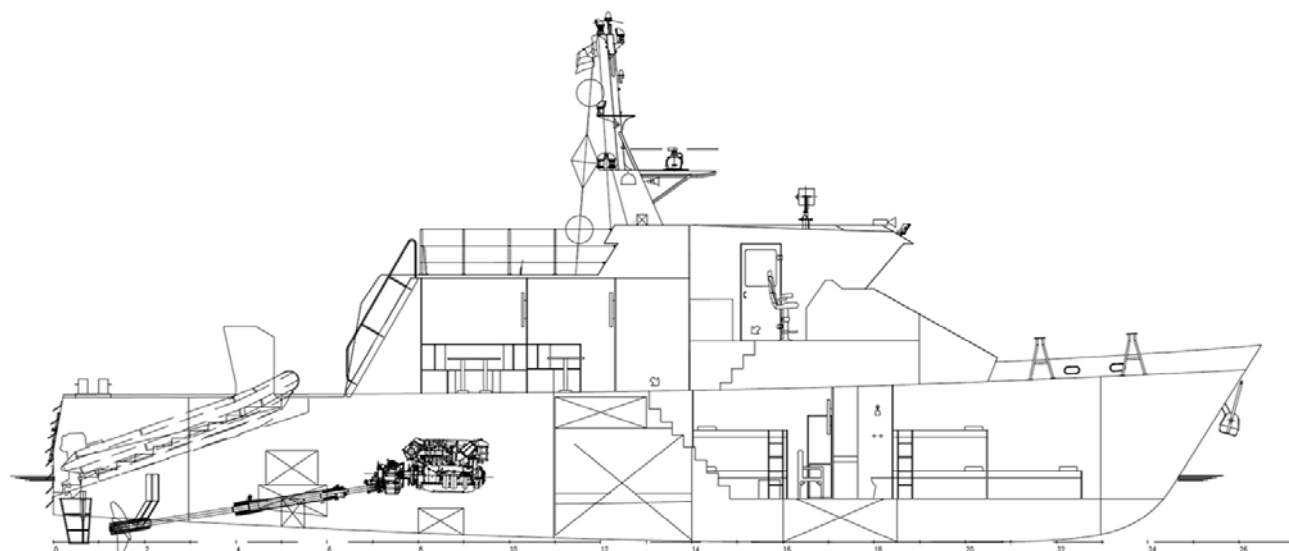




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80 DEFIANT

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Design Overview: A more economical alternative to its larger 85' sibling, Metal Shark's 80 Defiant is still highly capable. Based on Damen's 2505 Stan Patrol design, the 80 Defiant offers key attributes of larger Defiant-class vessels including excellent performance and seakeeping, large payload capacity, economical operating cost, proven durability, and a modern crew-friendly design.



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80 DEFIANT



Hull Design and Construction: The 80 Defiant's deep vee hull incorporates a raked bow, wide reversed chines, and spray rails to deliver a comfortable, dry ride. Integrated propeller tunnels enhance efficiency, reduce draft, and mitigate noise and vibration while underway. The stout welded aluminum hull features multiple watertight bulkheads and oversized scantlings throughout. A wide 19' beam assures ample stability while underway or at rest. All integrated tanks and machinery areas have been designed for easy accessibility via watertight manholes or access hatches.



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80 DEFIANT



Deck Layout: Like its larger sibling, the 80 Defiant delivers ample payload capacity while allowing for safe and sure-footed passage from bow to stern. Wide, non-skid walkways feature low-level LED lighting for night missions, and hand rails and grab handles are within easy reach at all times, allowing crew members to safely traverse the vessel, day or night, even in adverse weather conditions. Ample impact protection has been provided for docking or alongside maneuvers, and integrated stern ladders facilitate water access and recovery.



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Payload Particulars: The 80 Defiant's aft deck accommodates a 4.7-meter, 8-person Rigid Hulled Inflatable Boat (RHIB), which is deployed and retrieved via an integrated stern slipway. The vessel may serve as a fuel carrier, with 55-gallon drums securely stowed in ejection racks. The 80 Defiant's versatility, combined with stability, endurance, and ample belowdecks crew accommodations, make the vessel ideal for extended patrol missions at sea.



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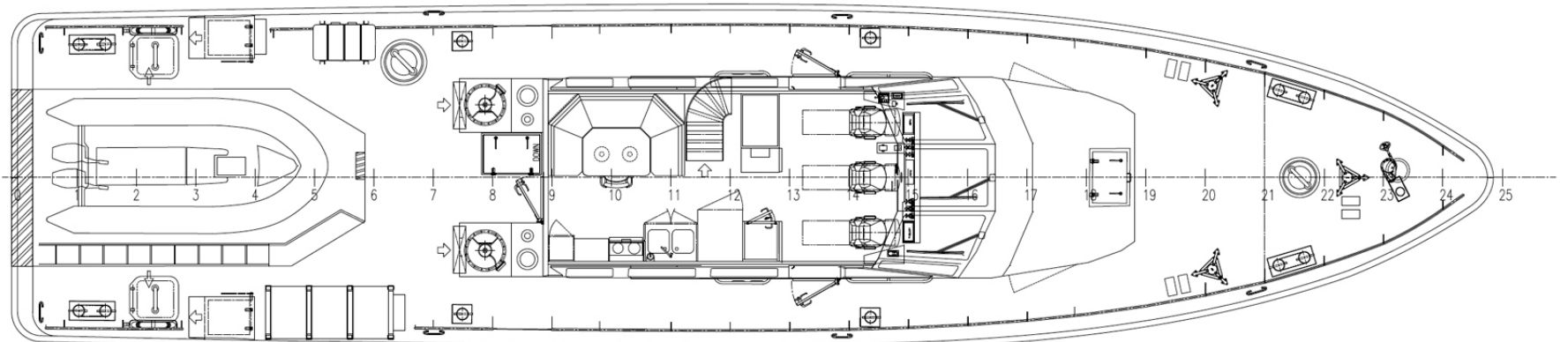
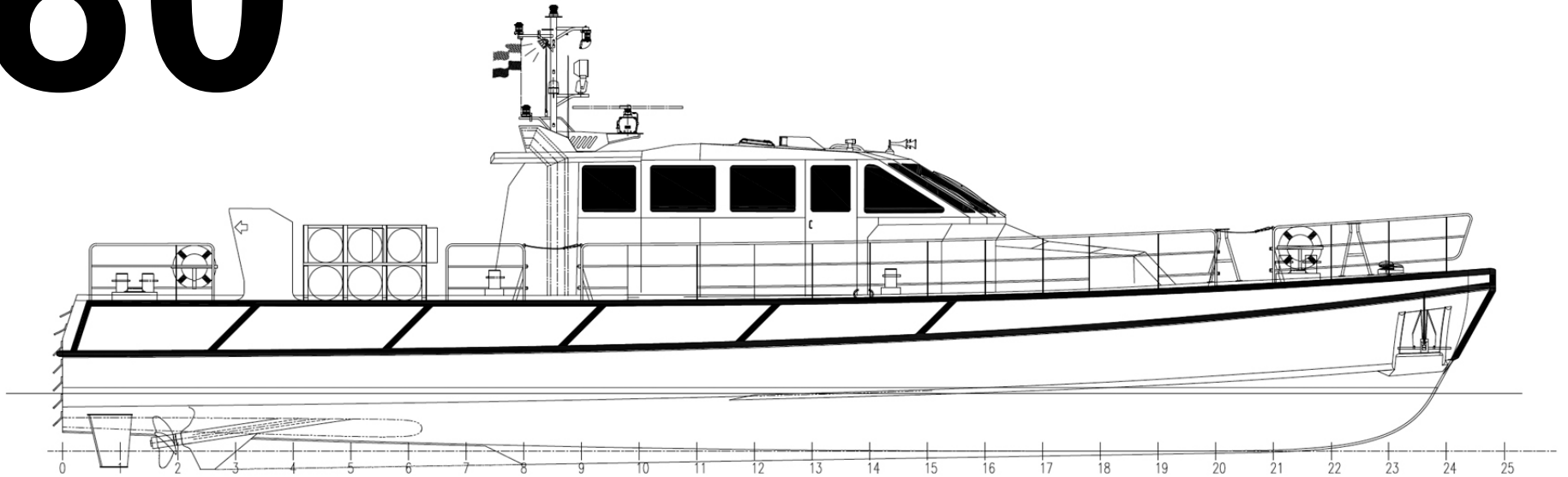
Damen's 2505 standardized patrol vessel, parent craft of the Metal Shark 80 Defiant



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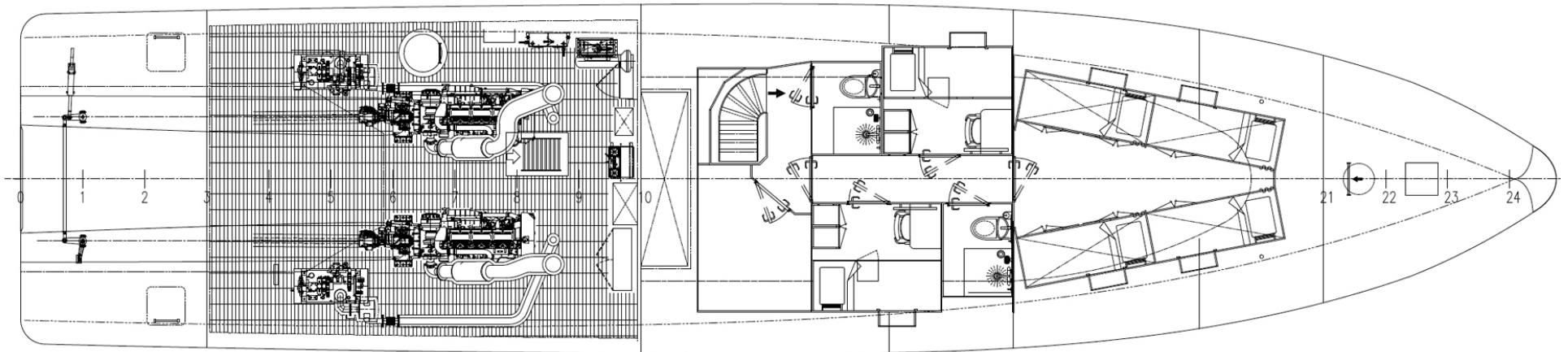
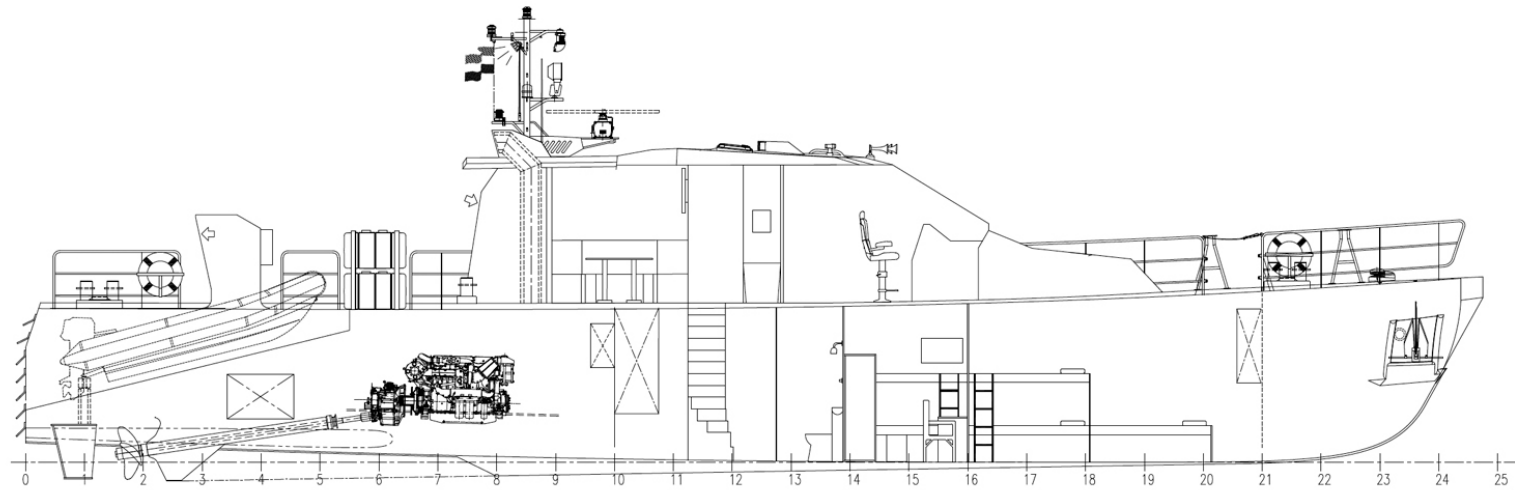




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Metal Shark's Design Enhancements: The most immediately apparent advancement in Metal Shark's Defiant pilothouse design is the use of pillarless glass to substantially enhance visibility. The result is a near elimination of the dangerous blind spots which are an unfortunate drawback of conventional pilothouse vessels. Large spotter windows allow the crew to see overhead aircraft. Further, quickly opening side and aft pilothouse windows offer added flexibility and greatly facilitate communication when docking or maneuvering alongside another vessel. A sample Defiant bridge is shown here with shock-mitigating seating for six. Other arrangements are available.



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Crew Accommodations: The 80 and 85 Defiant both offer a wide range of available configurations, which may be custom-tailored to suit specific mission requirements. Key features include two dual-bunk officer cabins providing accommodations for four officers, plus a six-bunk crew cabin. Two heads are provided, each with hot water shower.

Quarters are kept separate from operations areas, allowing crews to rest undisturbed in between shifts without interfering with ship's operations.



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DEFENCE & SECURITY: DAMEN Regional Customer base



Proven in Service Throughout the Americas: Metal Shark's 80 and 85 Defiant both represent the latest evolution of a globally proven platform. Damen Stan Patrol parent craft are in service throughout the Western hemisphere.



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- DAMEN Companies
- DAMEN Joint Ventures
- DAMEN Business Cooperations
- DAMEN Technical Cooperation Projects

Damen's Global Support Network

Global Support: Metal Shark customers around the world benefit from Damen's truly global reach. With 35 Damen-owned shipyards and numerous partner shipyards located worldwide, the Defiant offshore patrol vessels are never far from reliable factory service and technical support. Metal Shark offers maximum flexibility to its international customers. Once a delivery order has been fulfilled, customers have the option of placing follow-on orders through Metal Shark, or they may choose to work with a Damen shipyard in their own country or region.



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The Metal Shark Difference: Metal Shark is an industry leader in the digital design and serialized production of military patrol vessels. Defiant-class patrol boats are in service with the US Coast Guard, US Navy, and the militaries of US partner nations across Latin America and the Caribbean, Africa, the Middle East, and Asia. Metal Shark leverages its significant economies of scale and robust engineering strength to deliver innovative, proven, and reliable military platforms custom tailored to the mission requirements of each customer.



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Metal Shark's Franklin Shipyard: Defiant-class patrol vessels are produced at Metal Shark's large vessel shipyard complex in Franklin, Louisiana USA. This 25-acre waterfront facility is situated with direct access to the Gulf of Mexico. Metal Shark's Franklin yard supports aluminum and steel shipbuilding efforts for vessels up to 250'. Metal Shark is an experienced builder of custom patrol boats, with hundreds of vessels in service with the US Coast Guard, Navy, Air Force, Army, the militaries of partner nations worldwide, and numerous port security and law enforcement agencies.



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