



**METAL SHARK**  
METALSHARKBOATS.COM

# DEFIANT

OFFSHORE PATROL SERIES  
165' 140' 100'



**SEA AXE**

DESIGNS BY  
**DAMEN**





**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**



*Based on the proven Damen Stan Patrol 5009, the Metal Shark 165 Defiant (shown) is a capable patrol vessel featuring Sea Axe technology that combines greatly enhanced efficiency with unsurpassed seakeeping abilities.*

**Hullform:** Metal Shark's 165' (50m), 140' (43m), and 100' (31m) DEFIANT offshore patrol vessels are based on globally-proven Damen designs. All three vessels utilize the Damen "Enlarged Ship Concept," where the hull of a ship is extended to create an elongated hull form that substantially enhances seakeeping, operability and crew comfort by reducing vertical ship motions. The "Sea Axe" bow design utilized on the 165' and 100' represents a further evolution of the Enlarged Ship Concept. These Axe Bow vessels feature an extremely slender and deep bow, without any flare, that provides unparalleled soft seakeeping characteristics.





**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**

*The Metal Shark 140' Defiant shown here is based on the venerable Damen Stan Patrol 4207, which has been extensively proven with over 60 vessels either in service or under construction for ten customers worldwide. The 140' Defiant is designed on the Damen "Enlarged Ship Concept" and offers superb operability and seakeeping characteristics.*



**Construction:** Each Defiant Offshore Patrol vessel is produced at Metal Shark's large vessel shipyard complex in Franklin, Louisiana USA where upon completion they are easily launched in the Gulf of Mexico. All Defiant Offshore ships feature durable welded construction. The 165' and 140' feature steel hulls with aluminum decks and superstructure, while the 100' is all aluminum. Metal Shark's expertise in patrol boat production, with hundreds of vessels in service worldwide, coupled with Damen's technical expertise, ensures a state of the art, precision craft that is built to last.





**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**



*The all-aluminum Metal Shark 100' Defiant is based on the state-of-the-art Damen Stan Patrol 3007. This next-generation offshore patrol boat features the proven Damen "Sea Axe" bow and the extended, slender hullform that gives the Stan Patrol models their superlative seakeeping characteristics.*

**Layout:** Each Defiant model features Metal Shark's pillarless glass to significantly reduce blind spots. This, combined with the elevated superstructure, provides ideal visibility for the crew. The Defiant's wheel house has been placed at the location where ship motions are least: approximately one third distance from the stern. This positioning creates the best possible working environment for the crew. The Defiant patrol vessels have been designed to allow for custom accommodations. A high-speed tender can be easily accommodated on the aft deck, where it can be launched from and recovered into an integrated stern slipway.





**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**



**Crew Ergonomics:** The major controls and communication devices of each Defiant Offshore Patrol vessel are integrated into the helmsman's seat. Even in the most inclement conditions, the helmsman can easily and comfortably control the ship. Throughout the vessel, flexible carpentry and floating floors have been deployed to reduce vibration. Like all Metal Sharks, interior layout may be fully customized to suit virtually any mission requirement.

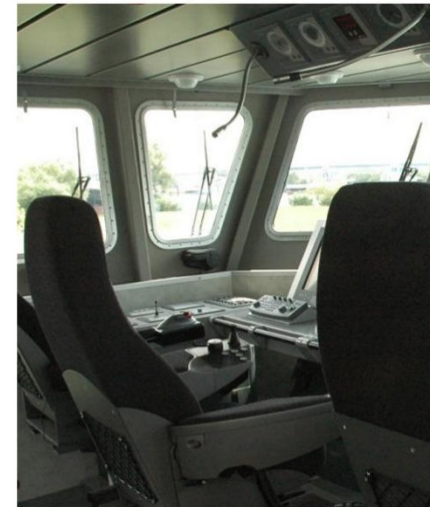




**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**



**Navigation & Communication:** Each Defiant wheelhouse is fitted with a state of the art Integrated Navigational System (INS) based on proven technology. The typical INS configuration includes: X-band radar + S-band radar, Autopilot, Differential GPS, Electronic Chart System (ECDIS), Automatic Identification System (AIS), Echo sounder and Speed log, Gyro compass and Magnetic compass, Communication equipment (GMDSS A2/A3), VHF radio telephone with DSC watch receiver, VHF handheld radio telephone, MF/HF radio telephone with DSC watch receiver, Navtex, Epirb, Sart, and FLIR.









**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**



**Metal Shark's Franklin Shipyard:** . The Defiant Offshore Patrol vessels are fabricated at Metal Shark's large vessel shipyard complex in Franklin, Louisiana. This 25-acre waterfront facility is situated with direct access to the Gulf of Mexico and supports aluminum and steel shipbuilding efforts for vessels up to 250'. Metal Shark has extensive experience in producing custom patrol boats, with hundreds of vessels in service with the United States Coast Guard, Navy, Air Force, Army, and the militaries of partner nations worldwide.





**METAL SHARK**  
METALSHARKBOATS.COM

**DEFIANT**  
OFFSHORE PATROL SERIES  
165' 140' 100'

DESIGNS BY  
**DAMEN**

### 165' DEFIANT SPECIFICATIONS

HULL MATERIAL: Steel  
WHEELHOUSE MATERIAL: Aluminium

#### DIMENSIONS

LOA: 165' / 50.02 m  
BEAM: 31' / 9.40 m  
DEPTH AT SIDES: 14' / 4.30 m  
DRAFT: 11' 6" / 3.50 m

#### TANK CAPACITIES

FUEL OIL: 16,669 Gallons / 63.10 m3  
FRESH WATER: 7,027 Gallons / 26.60 m3  
BILGE WATER 713 Gallons / 2.70 m3  
LUB OIL /DIRTY OIL TANK: 476 Gallons / 1.80 m3  
SEWAGE (GREY): 3,091 Gallons / 11.70 m3  
SEWAGE (BLACK): 1,849 Gallons / 7.00 m3

#### PROPULSION SYSTEM

MAIN ENGINES: 4 x Caterpillar C32 TOTAL POWER: 4324  
kW (5800 bhp) 2000-2300 rpm  
GEARBOXES: Reintjes WVS 730  
PROPELLERS: Fixed pitch propellers  
BOW THRUSTER: 2 x 100 kW

#### AUXILIARY EQUIPMENT

MAIN GENERATOR SETS: 2 x Generator sets, 107 kVA ea  
NETWORK: 230/400V – 50 Hz  
FIRE FIGHTING (INTERNAL): Fixed Fi-Fi system in engine  
room (Novec)  
FIRE FIGHTING (External) 120 m3 /h  
BILGE WATER SEPERATOR: Facet, CPS-2.5 MK II  
FUEL SEPERATOR: Westfalia OTC-2  
ANCHOR: 2x 270 kg, High holding power, Pool - TW  
ANCHOR: WINCH Electrical driven  
HYDRAULIC CRANE: Heila HLM 3-2S

### 140' DEFIANT SPECIFICATIONS

HULL MATERIAL: Steel  
SUPERSTRUCTURE: Aluminium

#### DIMENSIONS

LOA: 140' / 42.80 m  
BEAM: 23' 4" / 7.11 m  
DEPTH AT SIDES: 12' 4" / 3.77 m  
DRAFT: MAX 8' 3" / 2.52 m

#### TANK CAPACITIES

FUEL OIL: 7,925 Gallons / 30.0 m3  
FRESH WATER: 1,690 Gallons / 6.4 m3  
WASTE WATER: 2,219 Gallons / 8.4 m3  
DIRTY OIL/ BILGE WATER: 317 Gallons / 1.2 m3

#### PROPULSION SYSTEM

MAIN ENGINES: 2x MTU/Caterpillar/Cummins  
TOTAL POWER: 4000 – 6000 kW  
GEARBOXES: 2x Reintjes/ZF  
PROPELLERS: 2x Controllable pitch propellers  
BOWTHRUSTER: 1x 75 kW

#### AUXILIARY EQUIPMENT

NETWORK: 24V d.c., 230/400V 50 Hz a.c.  
GENERATOR SETS: 2x 86 kW, 107 kVA  
ANCHOR EQUIPMENT: 1x 196 kg H.H.P. 140 m  
U2 chain 16 mm  
ANCHOR WINCH: Electric driven  
CRANE: Heila HLM 3-2 S  
FIRE EXTINGUISHING: Hand operated fire  
extinguishers. Fixed Fi-Fi system in engine room  
(Novec 1230)  
EXTERNAL FIRE FIGHTING: Water/foam moni-  
tor

### 100' DEFIANT SPECIFICATIONS

HULL MATERIAL: Aluminum  
SUPERSTRUCTURE: Aluminium

#### DIMENSIONS

LOA: 101' / 30.93 m  
BEAM: 23' 6" / 7.15 m  
DEPTH AT SIDES: 10' 6" / 3.20 m  
DRAFT: MAX 7' 2" / 2.20 m

#### TANK CAPACITIES

FUEL: 3,830 Gallons / 14.5 m3  
FRESH WATER: 793 Gallons / 3.0 m3  
WASTE WATER: 977 Gallons / 3.7 m3  
BILGE WATER / DIRTY OIL: 317 Gallons / 1.2  
m3

#### PROPULSION SYSTEM

MAIN ENGINES: 2 x Caterpillar / MTU TOTAL  
POWER: 1790 to 3600 kW  
GEARBOXES: 2 x Reintjes series  
PROPELLERS: 2 x Fixed pitch propellers BOW  
THRUSTER :1x 50 kW

#### AUXILIARY EQUIPMENT

NETWORKS: 24V d.c., 230/400V 50 Hz a.c.  
GENERATORS: 2 x 51.5 kW / 64.5 kVA  
ANCHOR EQUIPMENT 1 x H.H.P. Pool TW  
110 m U2 chain  
ANCHOR WINCH: Electrically driven  
FIRE EXTINGUISHING: Hand operated fire  
extinguishers  
Fixed Fi-Fi system in engine room (Stat-X)





**METAL SHARK**  
METALSHARKBOATS.COM

**PHONE:** 337.364.0777

**FAX:** 337.364.0337

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

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