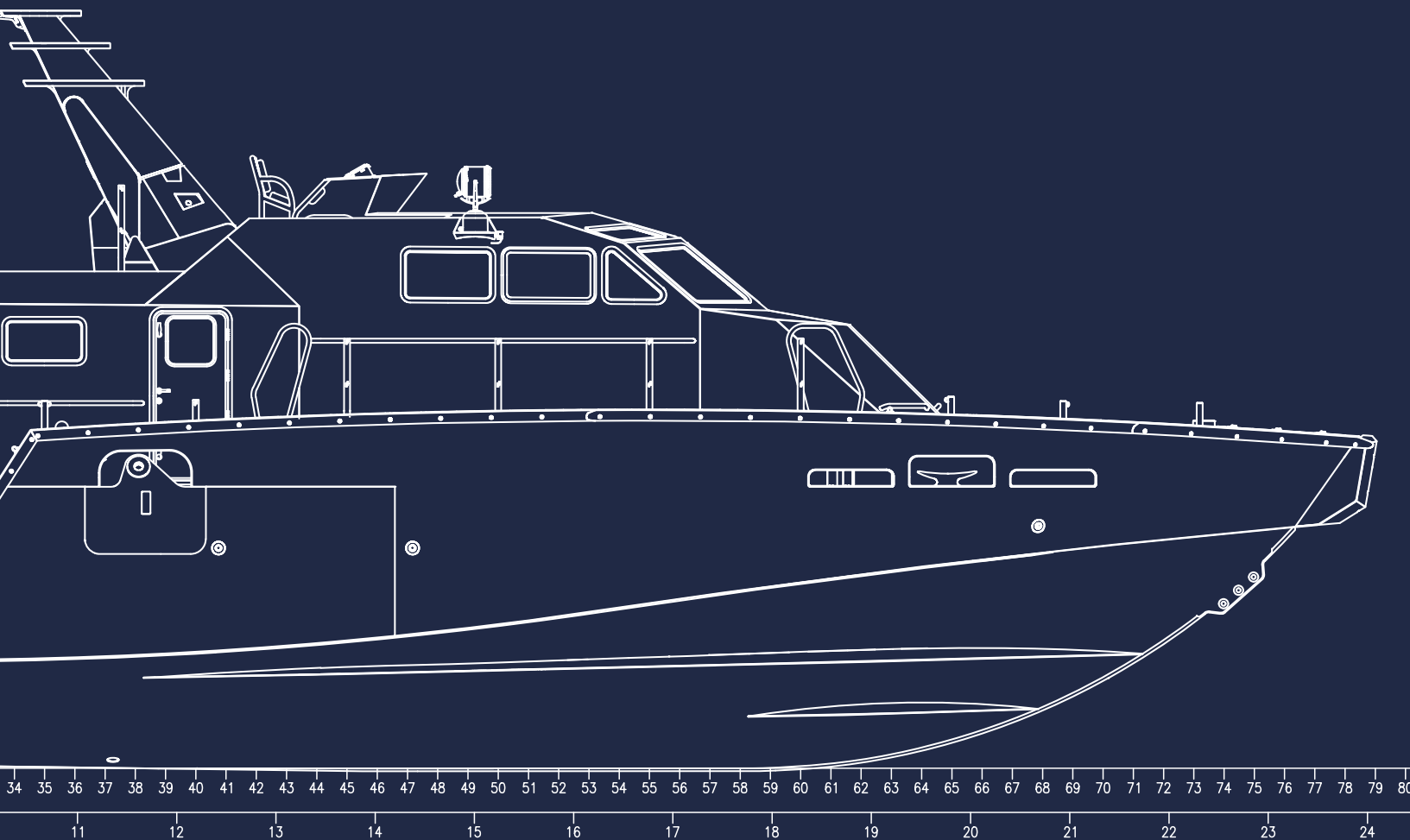




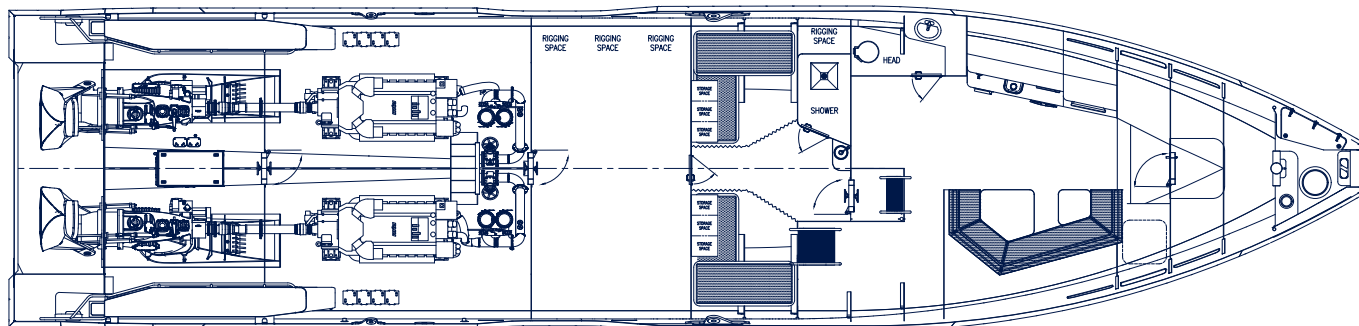
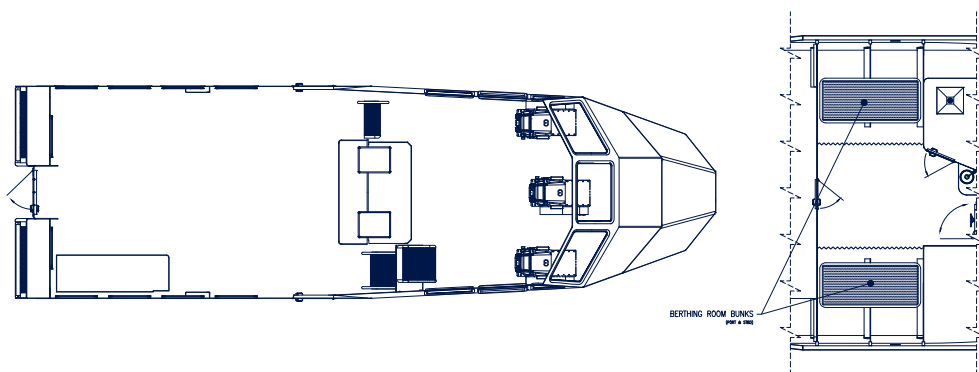
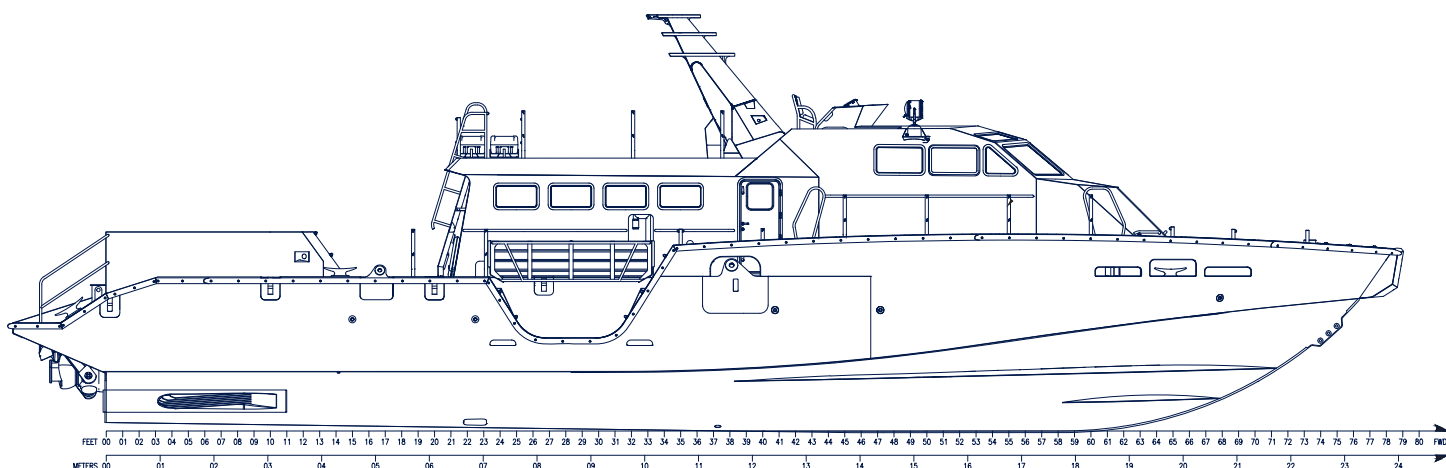
SAFE MARK VI

FULL CABIN INBOARD



SAFE MARK VI PATROL BOAT

VISUAL REFERENCE + SPECIFICATIONS



Length Overall (LOA) (feet) **84'-8"**
Length Overall (meters).....**25.8**
Hull Length (feet).....**78'-6"**
Hull Length (meters).....**23.9**
Beam Overall (BOA) (feet) **20'-6"**
Beam Overall (meters).....**6.2**
Height (keel to fixed structure) (feet)..... **21'**
Height (keel to fixed structure) (meters)..... **6.4**

Deadrise at Transom (degrees)..... **22**
Draft, Maximum (feet) **4'-6"**
Draft, Maximum (meters) **1.4**
Max HP **5,200**
Cruise Speed (knots) **25+**
Sprint Speed (knots)..... **40+**
Max Range (NM) **.650+ @ cruise speed**
Standard Crew **10**

Variable Passenger/Payload (approximate)
(lbs) **7,500+**
Variable Passenger/Payload (approximate)
(kilos) **3,400+**

**All specs, features and GAs shown are
subject to change*

STRUCTURE MATERIAL

Structural aluminum materials conform to the following specs:

- Sand cast (3560 T6)
- Plate and sheet (5086 H116 or 5086-H117; in non-welded applications 6061 T6 or 6061 T651 may be substituted.)
- Extrusions (5086 H111; in non-welded applications 6061 T6 or 6061 T52 may be substituted.)
- Drawn tube (5086 H32; in non-welded applications 6061 T6 may be substituted.)

STABILITY

- Vessel meets U.S. Navy small craft stability criteria
- Intact stability: Category B operations, 12 foot seas with 70 knot winds, icing, and off-center passenger crowding
- Damaged stability: Single compartment floodable length

DECK

- Paint-on non-skid applied to walking surfaces
- Limber holes installed throughout vessel to allow for drainage to bilge area
- Self-bailing decks; watertight and quick-drain exterior decks
- Scupper drains installed forward and aft to de-water in all operational, storage and transport conditions, including static and running trim and any angles of heel
- Consideration given to allow spent ammunition casings to leave deck
- Stern ramp acts as a jet propulsor guard and swim platform
- Capable of launch, recovery, stowage and transport of two 4.7m rigid inflatable boats equipped with outboard engine and fuel

PILOTHOUSE/MAIN DECK CABIN

- 5-person pilothouse and 13-person reconfigurable main deck cabin; five (5) SHOXS 4800 series workstations in pilothouse; three (3) SHOXS 4800 series workstations, four (4) SHOXS 4800 seats, six (6) SHOXS 6800 seats in main cabin
- Provision for 2 personnel to operate the craft from an external "fly bridge"; two (2) SHOXS 6800 seats
- Pilothouse and cabin with engineered acoustic/thermal insulation system, heavy duty, watertight, non-rattling/non-vibrating hatches, doors and accesses
- Pilothouse and cabin to have 6'-5" minimum unobstructed vertical clearance for crew to stand during operations
- Framed, watertight windows provide 360-degree field of vision from operator's station
- Forward pilothouse windows have defrosting glass with a scratch resistant, water-repelling coating
- Main deck cabin equipped with blackout curtains for all windows and pilothouse passageway
- Low profile, shock-mitigating flooring
- Passageways have a 30" minimum unobstructed width
- Main deck cabin easy reconfigurable with simple hand tools for passenger transport, MEDEVAC, unmanned vehicle command and control, resupply, additional

berthing, etc.

- Hatches and doors are either weather tight or watertight and tested in accordance with ABYC
- All doors and substantial hatches provided with positive means to secure open and closed
- Below deck watertight doors include view port into space
- Doors and hatches featuring ballistic protection are internally armored and have ballistic glass

LIFTING & ATTACHMENT POINTS

- Dedicated boat tie-down provisions labelled with load rating provided for securing boat to the ship and cradle
- Provision and adjacent structure sized for applicable load, per MIL-STD-1366E section 5.1.6.
- Integrated, removable, and retractable, docking stands deployed from boat once in well deck are included
- Forty-eight (48), SBI-custom, low profile hinged pad eyes mounted for deck tie-down fittings (normally 10 forward, 10 on cabin roof, 8 on pilot house roof, 20 aft)
- Prominent 4" D-rubber fendering system mechanically fastened to hull

CREW COMFORT

- Integrated HVAC system in pilothouse, main cabin, berthing, head, galley (65-degrees winter, 78-degrees summer)
- Enclosed marine head (includes shower, sink, mirror, macerating toilet, exhaust fan)
- Galley with stainless steel countertop, table, seating, shelving/ storage (includes microwave, two (2) 5.3 cubic-foot fridge/ freezers, sink with hot/cold water)
- Six longitudinally oriented bunks for off duty crew
- 100-gallon capacity potable water holding tank; 50-gallon capacity each grey/black water systems

SAFETY/RESCUE EQUIPMENT

- Port and starboard PIW recovery cut-outs provide the crew with the capability to retrieve a person or object with no more than two crew required
- Ballistic protection includes pilothouse and main cabin armor, bullet-proof windows in pilothouse and main cabin, armor and HHS protects boat mobility components, removable panels for crew-served weapons stations
- One stokes litter stored in main cabin
- Four (4) 2-1/2-pound and two (2) 10-pound fire extinguishers
- Machinery space(s) fire suppression system
- Two (2) 2000GPH portable electric bilge pumps, two (2) 1000GPH portable manual bilge pumps; six (6) 24VDC automatic pumps located throughout vessel

PROPULSION

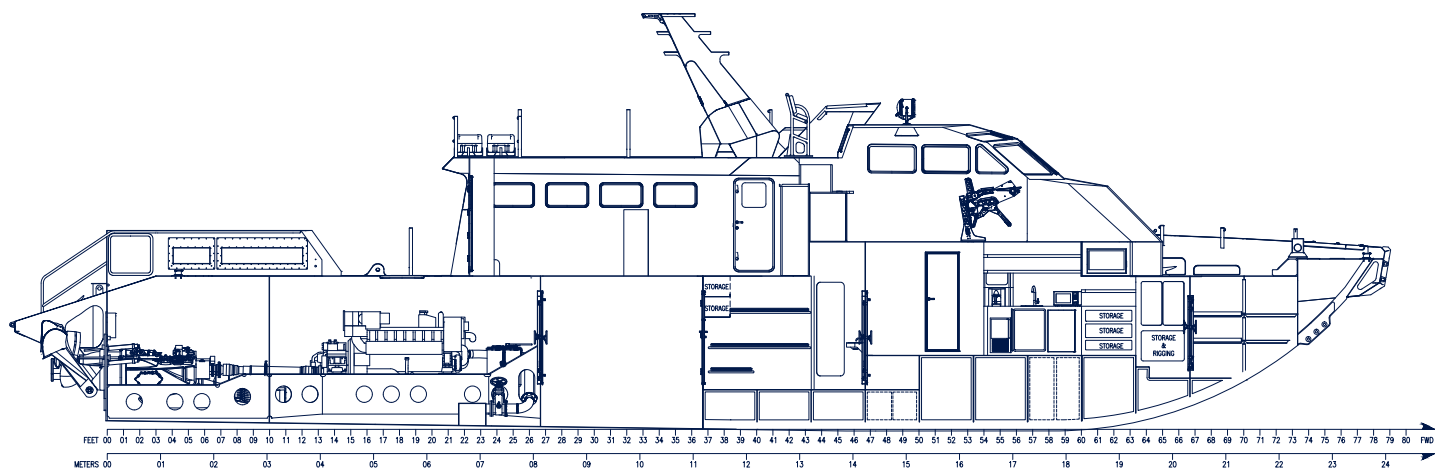
Twin diesel engine configuration

- Engine make/model: MTU 16V2000
- Gearbox selection: ZF 3070



SAFE MARK VI PATROL BOAT

VISUAL REFERENCE + FEATURES CONTINUED



- MTU integrated electronic dimmable instrument package
- Dual Hamilton HM 651 water jets; steering capable of 180-degree turn in less than six boat lengths at cruising speed
- One (1) Hamilton Jet handheld remote (second station) allowing jet unit operation up to 10M from included handheld remote junction box
- Miller-Leaman duplex stainless steel seawater strainer for each engine
- Engineered independent wet exhaust systems with high performance, low backpressure mufflers and/or underwater discharge through the transom
- Fresh water garden hose fittings with root cut-out valve are installed in-line with cooling system to allow for freshwater flush of engines and genset
- Installed quick-disconnect dry hydraulic fitting for draining of each engine, transmission, and generator oil sump

FUEL SYSTEM

- Dual fuel tank system with manual and

electronic gauges

- 2-1/2" fuel fill with positive-locking fuel shut-off valves; capable of re-fueling/transferring from port or starboard

BATTERIES/POWER SUPPLY

- Engine starting consists of one (1) bank configured with four (4) 12VDC batteries, connected in series/parallel to provide 24VDC.
- House battery bank consists of one (1) bank configured with four (4) 12VDC batteries, connected in series/parallel to provide 24VDC.
- Generator starting consists of one (1) bank configured with two (2) deep cycle, 12VDC batteries connected in series to provide 24 VDC.
- Generator starting battery bank provides back-up power provision for Hamilton MECS control system
- Alternator charging consists of one (1) pad mount alternator (200A; 28VDC; two-pole) mounted to each MDE
- 240/120VAC/60Hz, 100A shore power

distribution system including shore power receptacle, isolation transformer, GFCI breaker for over-current protection

- 33.0EDE NMEA 120/240VAC 60Hz, 33Kw Westerbeke generator integrated into electrical system
- 12VDC and 24VDC power outlets with weatherproof covers co-located throughout vessel
- Multiple 120VAC power outlets located throughout vessel

LIGHTING/ELECTRONICS

- 24VDC overhead lighting, low level courtesy deck lighting; deck work lights
- Displays and LED lighting are NVIS compatible
- COLREGS-compliant LED navigation lights
- Handheld and fixed spot lights
- Navigation horn and on-board PA system with talk-back system
- CCTV system with cameras in engine and pump rooms, exterior decks and weapons stations (eight total)
- Law enforcement hailer/siren and lighting
- Navigation system
- Autopilot system
- VHF marine radio
- Additional equipment racks with power supply

**All specifications and standard features are subject to change. Please contact SAFE Sales Department for details.*

