

## HULL

- Color - White gel coat hull w/colored inset & waterline
- Structural lamination multi-directional knitted fiberglass w/ vinyl ester skin coat
- Stringers – Fiberglass encapsulated full length composite stringers
- Boarding platform with telescopic swim ladder
- Hull Guards - UV-stabilized PVC-guards: anchor, hull and sheer, 316 stainless steel inset on hull side guard
- Fasteners - All exterior fasteners 316 stainless steel
- Bottom Paint – Ablative antifouling (2 coats/black)
- Port Lights - 7"x14" 316 stainless steel w/screens, hull sides (5)
- Bilge Pumps – 2000 GPH in (3) compartment w/auto/manual switches at helm
- Bonding System - bonding anodes on transom plus rudder, shoe and thruster anode

## DECK

- Color – White gel coat
- Deck – Molded textured surface in walking & working areas
- Deck - Raised walk-around side decks
- Door - Hinged transom
- Drains – Cockpit & f/hatch bosses
- Scuppers - Cockpit
- Cockpit Shower
- Anchor Roller Assembly - Polished stainless steel
- Windlass - 24VDC LOFRANS® TIGRES® LW400AN,
- 1200W anchor windlass w/foot controls at bow and remote control at helm
- 12" tall Transom top stainless steel hand rail
- Storage - Cockpit cabinet w/ shelf & double doors
- Storage - Cockpit recessed fender holder (aft wall)
- Storage - Deck hatch to lazarette w/sealing gasket and gas-assist lifts (step/ladder provided)
- Bow Rails - Deck, 1-1/4" - 316 stainless steel (bow & stern)
- Hand Rails - 1-1/4" 316 stainless steel on salon cabin top (removable starboard) and ladder on port side
- Ladder - 316 stainless steel open rail w/wide treads from aft deck to boat deck portside
- Hatch – Covering opening from cockpit up to sundeck
- Access to chain locker on foredeck port side
- Hand Grabs - 316 stainless steel salon roof drains at aft salon corners
- Hand Grabs - 316 stainless steel, two forward of pilot house doors
- Hand Grab - 316 stainless steel on transom over swim ladder
- Windows - DIAMOND SEA GLAZE® Powder- coated finish, sliding windows in salon and pilothouse
- Doors - DIAMOND SEA GLAZE® Powder-coated: two sliding pilot house entry and aft entry door with full

- length half-drop window and screen
- Portlights - 12" round 316 stainless steel w/screens and drains in forward cabin (2)
- Cleats - 12" cap rail mounted 316 stainless steel mooring cleats (10)
- Deck Fittings, 316 stainless steel - 2" fuel fill (2), 1-1/2" water fills (2), 1-1/2" waste suction
- Lights - Aft deck LED overhead (2) w/switch on fixtures
- Lights - Boarding platform LED (2)
- Outlet - 110VAC GFCI [cockpit]
- Pennant Staff receiver - in bow rail
- Sea water deck wash down hose bibs fore & aft
- Lazarette Vents polished stainless steel

## PROPULSION / ENGINE ROOM

- Engine - Single Volvo D11-510HP w/ electronic controls
- Alternator - 80 amp (24V)
- Fuel Filter - 10 micron primary element/ 2 micron secondary element on engine
- Exhaust - 8" dual stage water lift muffler transom exit for main engine
- Propeller – Left hand, tuned to class S ISO-484 pitch tolerances
- Propeller Shaft - 2.5" stainless steel w/PSS® drip-less shaft seal
- Seawater Strainers - bronze
- Generator Fuel Filter - 10 micron primary element/ 2 micron engines
- Oil Change Pump System - plumbed to main engine, generator & transmission
- Sound insulation – Hush kit, 1" barrier silver mylar finish
- Lights - engine room (4) LED
- Outlet - 110VAC GFCI
- Engine Room Access – (2) two access hatches hinged w/supporting gas assist shocks. Step/ladder provided

## HEATING

- Furnace - Diesel Hydronic heat system & hot water plumbed to 3-zones, 40,000 BTU

## GALLEY

- Cooktop - 3-burner electric FORCE-10®
- Microwave, Convection - under cooktop
- Refrigerator/freezer, Nova Kool RFU9000 AC/DC, 9.1cf
- Countertop - U-shaped acrylic solid surface countertop w/coved backsplash & searail
- Sink – Large single stainless steel basin, under counter mount w/single lever spray extension faucet and soap dispenser.
- Cabinets - Sapele flush face frames & drawer faces;

- doors & drawers are equipped w/push type sea locks
- Storage - Spice rack over stove w/Sapele sliding doors
- Storage - Tip-out storage in front of sink
- Storage – Above refrigerator w/standard equipment
- Drawers - full extension ball bearing tracks & push locks
- Lights - Overhead, 24VDC LED w/stainless steel bezel (4)
- Outlets - 110VAC GFCI (3)
- Exhaust fan and switch
- Flooring - AMTICO
- Range lights (2)

### COMPANIONWAY

- Nav Station - w/bench seat, file drawer under
- Electrical Panels, BLUE SEAS 360® - includes AC/DC meters, breakers and generator start panel, above and outboard of desk area
- Desk Top – Hinged
- Lights- Stair, red LED, at step riser
- Light - Reading 24VDC LED (2), over desk
- Lights - Overhead 24VDC LED (3), stainless steel bezel
- Portlight, 7"x14" 316 stainless steel
- Outlet 110VAC (2), 12VDC/ USB under Nav desk

### SALON

- Table – Sapele table w/extension mounted to a hi/lo post, hydraulically assisted moveable table base.
- Cabinet, Sapele w/laminate top with storage and standard U-Line BI95 Ice Maker (starboard side)
- Sapele entertainment center w/laminate top, salon port side, includes a 32" flat panel TV, Fusion Stereo, 2 speakers, and storage cabinet.
- Seating - L-shaped settee/ convertible berth
- Valances – Sapele with décor slots
- Lights - Overhead, 24VDC LED w/SS bezel (7)
- Lights - Sconces, 24VDC (2)
- Lights - LED step lights, red, at each riser
- Outlets - 110VAC (3), 12VDC/ USB

### PILOT HOUSE

- Helm seat (fixed) - LLEBROC® chair w/slide, footrest and adjustable pedestal, ULTRALEATHER® Black fabric
- Settee w/Sapele table (fabric choices TBD)
- Boat deck access via Interior staircase & hatch
- Sapele overhead console and valances
- Chart drawer (starboard side) under laminate counter top
- Engine Control - Volvo electronic single lever throttle/shift
- Engine Instrumentation – Volvo 7" LED digital color monitor
- Systems monitoring – all liquid tanks, located in overhead
- Compass - flush mount
- Bow Thruster Control - joystick

- Windshield wipers - pantograph style, adjustable speed, self- parking and washer system (3)
- Windshield defroster
- Stereo Speakers (2)
- Light - Reading, 24VDC LED (2)
- Light - Chart, LED red/white (2)
- Lights - Over helm, 24VDC LED red/ white(3)
- Lights – Overhead 24VDC LED (4)
- Outlets - 110VAC/ (3), 12VDC/ USB (3)
- Hatch – 20" w/ screen (deleted w/flybridge option)

### MASTER CABIN

- Queen-size berth on center line, storage under
- Mattress - Innerspring hinged deluxe pillow top
- Mirror - full length on back of head door
- Cabinets - Hull side storage cabinets
- Hull side hanging lockers w/automatic lights, with laminate tops
- Cedar lined paneling inside hanging lockers (side walls)
- Drawers - flush face, under berth w/push latches (4)
- Portlights (4), 7"x14" 316 stainless steel
- Lights - Overhead, 24VDC LED w/stainless steel bezel (4)
- Lights - Reading, 24VDC LED, over berth (2)
- Outlets – 110VAC/ (2), 12VDC/ USB (2) both sides of berth
- Hatch - 22" w/screen
- Chain locker forward w/sealed access door behind a Sapele headboard feature

### GUEST CABIN

- Berth - Double berth & upper bunk w/ foam mattress'
- Cabinet – w/ adjustable shelf & hanging locker above
- Cedar lined paneling inside hanging locker (side walls)
- Storage Locker - forward inboard corner w/outlet & mirror
- Storage under bunk
- Portlights (2), 7"x14" 316 stainless steel
- Door, Entry - Sapele sliding
- Lights - Overhead, 24VDC LED w/stainless steel bezel (3)
- Lights - Reading, 24VDC LED (4)
- Outlets - 110VAC GFCI (2), 12VDC/ USB(2)

### GUEST HEAD

- Toilet - electric fresh water flush
- Shower - stall w/café style door, faucet & LED light
- Cabinet - vanity w/ Sapele door, acrylic basin & acrylic solid surface (color TBD)
- Fixtures - toilet paper holder, towel bars, mirrors
- Floor covering – Amtico
- Lights – Overhead, LED 24VDC & vanity light
- Outlet - 110VAC, GFCI protected
- Exhaust fan w/switch

## MASTER HEAD

- Toilet - electric fresh water flush
- Vanity top – Acrylic solid surface w/ acrylic sink, & faucet (color TBD)
- Shower - stall w/café style door, faucet and LED light
- Cabinet - vanity w/sapele trim and doors
- Fixtures - mirrors, toilet paper holder, towel bars (2), towel ring
- Floor covering – Amtico
- Lights - Overhead, 24VDC LED (3) & vanity light
- Outlet - 110VAC, GFCI protected
- Exhaust fan w/switch

## INTERIOR FINISH AND TRIM

- Upholstery - choice of colors (TBD)
- Carpet – color (TBD)
- Flush sapele cabinet door and drawer faces
- Valances, Sapele - Salon & pilothouse
- Sapele interior passageway doors and trim
- Walls - Sapele wainscot paneling & foam backed vinyl upper walls
- Ceiling – Foam backed vinyl
- Day / Night Shades
- Ocean Air Sky-Screen(s)
- Porthole Covers by Clozure – White in color

## LAZARETTE

- Fresh water pump – 24 VDC variable pressure
- Water Tanks
- Steering gear
- Gel coated and ventilated
- Storage space

## STEERING SYSTEM

- Steering System - manual hydraulic
- Rudder and Shoe – Stainless steel w/sacrificial anodes
- Rudder port bearing and shaft lip seal
- Helm Wheel – Hardwood w/stainless steel accents
- Valves and fitting for autopilot hydraulic pump connection
- Bow Thruster - SIDE-POWER® SE100/185T-24V, 220lb thrust

## 24V DC ELECTRICAL SYSTEM

- Battery Charger - MASTERVOLT® 80 amp 3-outputs
- Batteries, Start – 24V AGM Group-31 (2) w/boxes, 950 CCA 32 degrees
- Batteries, House – 24V AGM deep cycle (6) w/boxes, 660 amp hours
- Batteries, Thruster/Windlass - 24V AGM Group-31 (2) w/boxes, 200 amp hours
- Breaker Panel, BLUE SEAS 360® - w/LED lights

- Master house bank circuit breaker switched at DC Panel
- Battery parallel switch at helm
- Wire - marine grade tinned copper throughout
- Generator Batteries – (2) 24v AGM w/ boxes

## 240V/110V AC ELECTRICAL SYSTEM

- Generator - 9kW Northern Lights 240VAC w/sound shield, water lift muffler, water separator exhaust system
- Shore power connections - MARINCO® 50A (2), w/50' cords (2), Bow & Stern
- Breaker panel - BLUE SEAS® 360 panel 240VAC/110VAC w/LED lights w/digital multi-meter
- ELCI Main Circuit Breaker (2)
- Inverter / Charger

## NAVIGATION / ELECTRONICS

- Garmin GPSMAP 8616 xsv Display, GMR 24x Radome, Airmar B744V Bronze Transducer, VHF 215 Radio w/ Antenna, and AIS 800

## SAFETY PACKAGE

- Fire Extinguishing System - FIREBOY-XINTEX® CG2-500-227 in engine room w/auto shut down
- Fire Extinguishers, (2) 5 LB and (2) 2 LB
- High bilge water alarm
- Smoke & CO2 detector in each cabin & central seating area
- Radar reflector - located in stack
- Horn - Dual Electric
- Light - Anchor, LED, USCG approved
- Lights - Navigation, LED, USCG approved
- NMMA Certification to ABYC Standards
- Canadian Declaration of Conformity

## TANKAGE

- Fuel tanks - 600-gallon in two tanks w/crossover line, shutoff valves, & sight gauge
- Potable Water Tank Polyethylene – 200 gallon
- Gray Water Tank - 20-gallon/76-liter in keel, w/auto 24VDC pump
- Black Water Tank - 45-gallon in keel, w/deck pump out
- Tank Level Monitoring – all liquids, at helm
- Heater, Water - 11-gallon electric/engine heat

## DIMENSIONS

- Length Overall - 45' 6" / 13.62m (with bow roller & boarding platform)
- Length Overall w/optional Bow Pulpit - 46' 11" / 14.10m
- Beam - 13' 10" / 4.21m
- Draft - 4' 7" / 1.40m
- Freeboard - at cockpit 4' 1" / 1.24m
- Freeboard - Amidships, at pilothouse door 4' 11" / 1.49m

2023 Model Year Standard Equipment

[Nordictugs.com](http://Nordictugs.com)

- Height from - Waterline-top to stack top 12' 4" / 3.76m
- Displacement Weight - 31,400 lbs / 14,255kg
- Headroom - Salon 6' 4" / 1.93m
- Headroom - Pilot House 6' 4" / 1.93m
- Headroom - Forward Cabin 6' 10" / 2.08m

### **OWNER'S PACKAGE**

- Engine & Reduction Gear manuals
- Component owners manuals
- Nordic Tug Operators Manual
- 10-micron fuel filter element for main engine RACOR®
- Matched gel coat touch-up kit
- Multi-Bit Screwdriver & SS Deck Fitting Key
- Fenders & Docking lines
- Shaft Seal Collar O-Ring Kit
- Container box w/ lid