

Krogen 50 Open Standard Specifications

Length Overall (LOA) - 52' 9" (16.12 m)
 Length on Deck (LOD) - 50' 5" (15.39 m)
 Length at Waterline (LWL) - 45' 0" (13.72m)
 Beam (Molded) - 16' 9" (5.45 m)
 Beam (Over Rub Rail) - 17' 5" (5.33m)
 Draft with Single Engine at Designed Water Line (DWL) with Half Load - 5' 4" (1.65 m)
 Draft with Twin Engines at Designed Water Line (DWL) with Half Load - 4' 6" (1.40 m)
 Displacement (DWL with Half Load)
 68,000 lbs. (30,844 kg)
 Ballast (Encapsulated Lead) –
 5,000 lbs. (2,267 kg)
 Fuel - 1,240 gal. (4,469 l)
 Water - 400 gal. (1,515 l)
 Approximate Bridge Clearance to Top of Hard Top –
 19' 8" (6.02 m) (plus mast/antennas)
 Approximate Bridge Clearance with
 Arch Down - 16' 4" (4.99 m)
 (DWL to top of flybridge coaming)

CONSTRUCTION

- Hull and superstructure molds from high-grade female tooling
- Hull construction includes use of USA-made, Cook® gel coat. Hand-laid Knytex® fiberglass construction with Corecell® closed-cell PVC sandwich core used in topsides. Solid fiberglass below waterline with blister-resistant vinylester resin utilized on first two laminates below the waterline, with aramid fiber/FRP reinforcements.
- Superstructure includes Knytex® and mat (in combination with Corecell® cores) and surface mats for print-through reduction.
- Teak aft and side deck. Boat and fore decks have GripTex® non-skid finish. Bulwark has molded plank lines with gel coat finish.
- Polyurethane formulated marine sealants used at hull-to-deck, boat deck joints and exterior fittings.
- Vacuum bagged foam cored bulkheads with molded fiberglass hat section stringers.
- Interior finished with handcrafted solid cherry and veneers.

MACHINERY

- Engine: Tier III John Deere® #6068AFM85, 230 bhp (172 bkW) at 2300 rpm with ZF Marine 2.917:1 ratio gear
- Shaft: Aquamet® 22, 2" diameter
- Shaft Seal: Tides® driplens
- Propeller: Hung Shen®, bronze, 4-bladed, 35" diameter, 19 1/2" pitch
- Rudder: stainless steel with protective shoe

- Generator: Northern Lights® 12KW with sound shield and water/exhaust separator
- Bilge Pumps: (5) Rule®, @ 3,700 gallons-per-hour with Ultra® High Water Alarm (2 station)
- Emergency Bilge Pump: tied into the raw water intake on the main engine
- Muffler: Centek®, fiberglass
- Steering: Teleflex®, hydraulic (2-station)
- Controls: ZF Mathers Cruise Command (4-station)
- Fuel Tanks: (2) aluminum with sight gauges
- Fuel Filters: Dual Racor® w/ vacuum gauge for main engine and generator
- Engine room intake and exhaust fans with moisture eliminators

COMPONENTS

- Electrical Panel: 110/220-volt AC and 12/24-volt DC, with circuit breakers
- Tinned wiring, throughout
- Battery Boxes: fiberglass
- Batteries: Lifeline® AGM (2) 12-volt wired in series for 24V DC engine starting, (1) 12-volt 12V DC generator starting, (8) 6-volt 400Ah wired in series for 24V DC ship service
- Inverter/Battery Charger: Magnum Energy 4000 watt, 105 amp charger
- Battery Charger: Mastervolt 60 amp
- Dual Alternators with External Regulators: Balmar® 190A and 50A DC
- Isolation Boost Transformer: Charles Industries®
- Water Piping: copper, insulated
- Dockside Water Pressure Regulator: (2) Jabsco®
- Pressure Water System: Headhunter®, Mach 5 115V AC fresh water pump
- Water Heater: Raritan®, 30-gallon
- Water Tanks: (2) 316L stainless steel 400-gallon total capacity
- Black Water Tank: fiberglass, 140-gallon capacity with macerator

EXTERIOR

- Prep, prime and paint bottom with 2 coats of Sea Hawk Epoxy Primer and 2 coats of Sea Hawk Cukote™ antifouling paint. Color: dark blue
- Prep, prime and paint running gear with PropOne, two-coat paint scheme comprising of an anti-corrosive primer coat and foul release coating (clear coat)
- Sand and prep teak name boards and flag staffs and apply eight coats of varnish

- Doors: weather-tight, welded aluminum, (2) Dutch-style in Pilothouse, forward engine room door and aft engine room door. Saloon door, sliding with full glass panel
- Windows: Windows: Fixed with tinted, tempered 12mm glass. Clear glass in forward facing pilothouse
- Fore Deck Hatches: (2) Lewmar with Oceanair Skyscreen and shades
- Ports: Man Ship®, stainless with screens
- Thru-Hulls and Seacocks: bronze
- Hawse Pipes and Cleats: 316L stainless
- Mooring Cleats: 316L stainless steel
- Bow Eye 316L stainless steel
- Fuel fill spill prevention box

Aft Deck

- Cockpit with teak decking
- Transom Door with stainless steel latch handle and hold back
- Swim Platform: fiberglass with under mount swim ladder and (2) folding cleats
- Lazarette access hatch with ladder
- Side Boarding Gates: (2) with stainless steel latch handle and hold back
- Transom Shower: Scandvik® hot/cold fresh water
- Fresh Water Bib
- Shore Power Inlet: Marinco®, 50 amp
- TV Inlet: Marinco®
- Overhead LED blue/white combination lighting

Portuguese Bridge

- Wing stations with engine controls and start/stop panel (2)
- Boarding Doors: (2) with stainless steel latch handle and hold back

Flybridge/Boat Deck

- Boat Deck Railings: welded 316L stainless steel
- Radar Arch: hinged, with masthead, steaming and deck light
- L-shaped settee
- Horn: AFI Marinco 24V DC
- Wheel: Edson®, stainless steel, destroyer type
- Helm Chair: (1) Pompanette®
- Compass: Ritchie®
- Propane Locker: Trident® with (2) 20lb aluminum propane tanks
- Table: Teak with stainless steel pedestal

Bow

- Bow Railings: welded 316L stainless steel
- Bowsprit and pulpit with anchor roller
- Windlass: Maxwell® 2500 VWC, 24V DC with chain wheel and independent rope capstan with 400' 3/8" HT chain and 88-lb. Rocna Vulcan anchor
- Watertight Anchor Locker Deck Hatch: Freeman Marine®
- Shore Power Inlet: Marincó®, 50 amp
- TV Inlet: Marincó®
- Fresh Water Bib
- Salt Water Anchor Washdown: ShurFlo®

INTERIOR

- Overhead Lighting: i2 Systems® LED with Vimar switches
- Courtesy Foot Lighting: i2 Systems LED
- Wall and Reading Light Fixtures: Imtra LED
- AC receptacles, throughout
- CATV outlets
- Cherry and spruce floors
- Sole hatches to be gasketed and have locking mechanism
- Doors: solid cherry gasketed with Mobella hardware and holdbacks
- Hanging lockers to have automatic interior light controls
- Drawers to have stainless steel slides
- CO Detectors: Fireboy®-Xintex®
- Smoke and Fire Alarms: Fireboy®-Xintex®
- Fire Suppression System: Sea-Fire® FD-1000M with automatic shutdown, alarm and manual pull

Saloon/Galley

- Settee: L-shaped with storage below
- Table: cherry, fold-out top with stainless steel high/low pedestal base
- Valances: cherry
- Invisible sliding screen on saloon door
- Countertops: Corian®
- Galley Sink: Elkay®, stainless steel, double basin with Grohe faucet
- Galley Counter Tops: Corian®
- Below counter trash and recycling pull-out container
- Galley Appliances: stainless steel finish
- Refrigerator – Subzero BI-30U/S
- Microwave Oven- Wolf 30"
- Range/Oven – Wolf 30" propane

Pilothouse

- Compass: Ritchie®
- Rudder Angle Indicator: VDO®
- Windshield Wipers with Washers: (3) Imtra®
- Wheel: cherry wood
- Watch Berth with Cherry High-Low Table: converts to double

- Overhead Hand Rails: (2) cherry
- Overhead electronics cabinet
- Overhead Lights: i2 Systems red/white combination, LED
- Electronics Console: cherry, raised wedge shaped with removable face
- Chart Drawers
- Chart Lights: (2) Imtra®, LED
- Holding Tank Indicator and Control Panel: SeaLand® TankManager™

Accommodations

Standard layout includes master stateroom amidships with ensuite head and forward guest stateroom with ensuite head.

Master Stateroom

- Island queen berth with drawer stowage below and pneumatic lift struts on bed
- Foam mattress
- Bureau with drawers
- Hanging lockers
- Mirror with cherry wood trim and model Bonn LED lighting
- Flooring: cherry and spruce floors
- Overhead Lighting: dimmable LED with Vimar switches
- Wall lighting: (2) model Cygnus with ivory shade

Master Head

- Toilet: household size Dometic Master Flush® with status panel
- Shower: tile with tempered glass door
- Counter Tops: Corian®
- Sinks: (2) Corian®
- Ventilation Fan: Rule 24V DC
- Fixtures: Grohe
- Vanity with cherry wood trim mirror and model Bonn LED fixtures
- Overhead Lighting: LED with Vimar switches

Forward VIP Stateroom

- Island queen berth with drawer stowage below and pneumatic lift struts on bed
- Foam mattress
- Hanging locker
- Mirror with cherry wood trim and model Bonn LED lighting
- Flooring: cherry and spruce floors
- Overhead Lighting: LED with Vimar switches
- Wall lighting: (2) model Cygnus with ivory shade
- Hatches with Oceanair Skyscreen and shade

VIP Head

- Toilet: household size Dometic Master Flush® with status panel

- Showers: molded fiberglass with tempered glass door
- Counter Tops: Corian®
- Sink: Corian®
- Ventilation Fan: Rule 24V DC
- Fixtures: Grohe®
- Vanity with cherry wood trim mirror and model Bonn LED fixtures
- Overhead Lighting: LED with Vimar switches

Companionway

- Washer/Dryer: GE®

Engine Room

- Sound Insulation: Pyrotek, Sorberflex with perforated aluminum
- Lighting: Quick®, LED
- Stanchion Isolators: Soundown
- Sole boards with non-skid
- Fresh water hose with nozzle

COMMISSIONING PACKAGE ITEMS

- Provide the following KKY-colored, 3/4-inch braided dock lines:
 - (2) 50-foot lengths, custom color, one end whipped and the other end with 3-foot eye
 - (2) 35-foot lengths, custom color, one end whipped and the other end with 3-foot eye
 - (2) 30-foot lengths, custom color, one end whipped and the other end with 3-foot eye
 - (4) 3/8-inch x 30 feet fender line, custom color, with ends whipped no eyes
- Provide Commissioning Safety Kit, as follows:
 - (2) Type 1 Offshore Jackets
 - (1) Type 11 Near-Shore Buoyant Vest Set (contains 4)
 - (1) Type IV Ring Buoy
 - (4) 12" x 34" Big B Taylor® white fenders
 - US Yachting Flag, 30" x 48" size
 - Handheld Air Horn
 - Flare Kit (25mm Alert/Locate)
 - US Coast Guard's "Rules of the Road"
 - Waste Placard
 - Oil Discharge Placard
 - Excursion First Aid Kit
 - (5) Kidde® Mariner 110 Fire Extinguishers
 - Boat Hook, telescoping
 - (1) 50-foot no-kink drinking water hose
 - (1) Gallon John Deere Cool-Guard
 - (1) Gallon John Deere Break-In Oil
 - Provide two days of boat handling and systems orientation training
 - KKY burgee, name plates, step plates and owner's plaque
 - Owner's manual with detailed system schematics and docking plan
 - Vessel Vanguard Yacht Management System