

Krogen 48 AE

Standard Specifications

Length Overall - (LOA) 53' 0" (16.15 m)
 Length on Deck - (LOD) 48' 6" (14.78 m)
 Length at Waterline - (LWL) 45' 5" (13.84 m)
 Beam (Molded) - 16' 8" (5.08 m)
 Beam (Over Rub Rail) - 17' 4" (5.28 m)
 Draft (Designed Water Line - DWL) - 5' 0" (1.52 m)
 Displacement (DWL with Half Load) - 56,450 lb. (25,605 kg)
 Ballast (Encapsulated Lead) - 4,500 lbs. (2,041 kg)
 Fuel - 1,000 gal. (3,785 l)
 Water - 400 gal. (1,514 l)
 Approximate Bridge Clearance with Mast Up - 29' 3" (8.92 m)
 Approximate Bridge Clearance with Mast Down - 14' 7" (4.44 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 Corecell® closed-cell PVC sandwich core and Knytex® surface mats for print-through reduction.
- Teak aft and side decks. 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.
- Marine-grade plywood bulkheads with molded fiberglass hat section stringers.
- Interior finished with handcrafted solid cherry and veneers.

MACHINERY

- Engine: Tier III John Deere® #4045AFM85, 200 hp @ 2500 rpm with ZF Marine® #280-1 gear
- Shaft: Aquamet® 22, 2" diameter
- Shaft Seal: Tides® dripless
- Propeller: Hung Shen®, bronze, 4-bladed, 32" diameter, 19.5" pitch

- Rudder: stainless steel with protective shoe
- Bilge Pumps: (4) Rule®, @ 2,000 gallons-per-hour with Ultra® High Water Alarm (2 station)
- Emergency Bilge Pump: tied into the raw water intake for the main engine
- Muffler: Centek®, fiberglass
- Steering: Teleflex®, hydraulic (2-station)
- Controls: ZF Marine®, electronic (2-station) with MC2000-4R control heads
- Fuel Tanks: (3) aluminum with sight gauges
- Fuel Filters: dual Racor® w/ vacuum gauge for main engine
- Engine room intake and exhaust fans with moisture eliminators

COMPONENTS

- Electrical Panel: 110/220-volt AC and 12-volt DC with circuit breakers
- Tinned wiring, throughout
- Battery Boxes: fiberglass
- Batteries: Lifeline® AGM (1) 210-amp/hr engine starting, (1) 210-amp/hr generator starting, (4) 255-amp/hr ship service
- Inverter/Battery Charger: Magnum Energy 2800 watt, 125 amp charger
- Battery Charger: Mastervolt® 35 amp
- High Output Alternator with External Regulator: Balmar® 270 amp
- Isolation Transformer: Charles Industries®
- Water Piping: copper, insulated
- Dockside Water Pressure Regulator: (2) Jabsco®
- Pressure Water System: Headhunter Mach 5 Multistage Fresh Water Pressure Pump, 115V AC
- Water Heater: Raritan®: 20-gallon capacity
- Water Tanks: (2) 316L stainless steel 400-gallon total capacity
- Holding Tank: fiberglass, 100-gallon capacity with macerator
- Fire Suppression System: Sea-Fire® FD-1150M with automatic shutdown, alarm and manual pull

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 cap rail, name boards and flag staffs and apply eight coats of varnish
- Doors: weather-tight, welded aluminum, double doors in saloon, (2) Dutch-style in pilothouse, all painted to match superstructure
- Windows: 12 mm non-opening tempered glass throughout
- Master Stateroom Hatches: (2) Lewmar®, with Oceanair Skyscreen and shade
- Ports: Man Ship®, stainless steel with screens
- Thru-Hulls and Seacocks: bronze
- Hawse Pipes: 316L stainless steel
- 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 with access hatch and ladder
- Emergency Tiller
- Side Boarding Gates: (2) with stainless steel latch handle and hold back
- Ladder: stainless steel with teak treads to Flybridge/Boat Deck
- Fresh Water Bib
- Transom Shower: Scandvik® hot/cold fresh water
- Shore Power Inlet: Marinco®, 30 and 50 amp; 50 Amp 240V 50' shore power cord included
- TV Inlet: Marinco®
- Overhead LED blue/white combination lighting

Flybridge/Boat Deck

- Boat Deck Railings: welded 316L stainless steel
- Mast/Boom/Tabernacle and Rigging: aluminum, painted and hinged, with masthead, steaming and spreader lights
- Wheel: Edson, stainless steel, destroyer type

- Helm Chair: Pompanette®
- Horn AFI Marinco 12V DC
- Compass: Ritchie®
- Propane Locker: Trident® with (2) 20lb aluminum propane tanks

Bow

- Bow Railings: welded 316L stainless steel
- Bowsprit and pulpit with (2) anchor rollers
- Windlass: Maxwell® 2500 VWC, 12V DC, with chain wheel and independent rope capstan and 300' of 3/8"HT chain with 88-lb. Rocna Vulcan anchor
- Watertight Anchor Locker Deck Hatch: Freeman Marine®
- Shore Power Inlet: Marinco®, 50 amp
- TV Inlet: Marinco®
- 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®

Saloon/Galley

- Settee: L-shaped starboard with storage below
- Table: cherry, fold-out top with high/low base
- Valances: cherry
- Invisible sliding screen on saloon door
- Bookcase/Storage Unit: cherry with Corian® countertop
- Galley window: 18" x 24" opening with screen in lieu of portlight
- Galley Sink: Elkay®, stainless steel, single basin with Grohe faucet
- Galley Counter Tops: Corian®
- Below counter trash and recycling pull-out container
- Galley Appliances: stainless steel finish
- Refrigerator - GE®
- Microwave/Convection Oven- GE®
- Range/Oven - Bluestar® 24" propane

Pilothouse

- Compass: Ritchie®
- Rudder Angle Indicator: VDO®
- Windshield Wipers with Washers: (3), Imtra®
- Wheel: cherry
- 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™

Master Stateroom

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

Master Head

- Toilet: Dometic Master Flush® with status panel
- Showers: molded fiberglass with tempered glass door
- Counter Tops: Corian®
- Sink: Corian®
- Overhead Lighting: LED with Vimar switches
- Mirror with cherry wood trim and model Bonn LED fixtures

VIP Stateroom / Den

- Desk with settee that converts to double berth and pullman berth above
- Overhead Lighting: LED with Vimar switches
- Hanging locker
- Reading Lights: Imtra LED

VIP Head

- Toilet: Dometic Master Flush® with status panel

- Showers: molded fiberglass with tempered glass
- Counter Tops: Corian®
- Washer/Dryer: GE®
- Overhead Lighting: LED with Vimar switches
- Mirror with cherry wood trim and model Bonn LED fixtures

Engine Room

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

COMMISSIONING PACKAGE ITEMS

- Provide the following KKY-colored, ¾-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
 - Type 11 Near-Shore Buoyant Vest Set (contains 4)
 - Type IV Ring Buoy
 - (4) 12"x34" 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
 - Gallon John Deere Cool-Guard
 - 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