



s/v KOA

Merritt, NC

Factory Certified 2007 PDQ Antares 44i

- NEW Yanmar Engines
- NEW North Sails
- 1.6 kW Solar
- 15.6 kW Lithium
- Upgraded Kohler Genset
- NEW Running Rigging
- All AC Units on Soft-start
- NEW Custom Teak Table
- NEW Electronics

Specifications

Dimensions

LOA: 44 ft 0 in
Beam: 21 ft 9 in
LWL: 43 ft 6 in
Minimum Draft: 4 ft 0 in
Displacement: 22500 lbs
Bridge Clearance: 62 ft 0 in
Hull color: White

Tanks

Water Tanks: (2 ea. X 75 Gal, Total 120 Gallons)
Fuel Tanks: (2 ea. X 60 Gal, Total 150 Gallons)
Holding Tanks: (2 ea. X 30 Gallons)

Accommodations

Number of double berths: 3
Number of cabins: 3
Number of heads: 2

Starboard Engine:

Engine Brand: 3YM30AE (new - installed 2019/2020)
Engine Type: Inboard
Engine/Fuel Type: Diesel
Propeller: 3-Blade MaxProp
Drive Type: Shaft Drive
Engine Power: 29 HP

Port Engine:

Engine Brand: 3YM30AE (new - installed 2019/2020)
Engine Type: Inboard
Engine/Fuel Type: Diesel
Propeller: 3-Blade MaxProp
Drive Type: Shaft Drive
Engine Power: 29 HP

Construction

The hull and deck are constructed of Isophthalic acid resin and tri-axial knitted fiberglass fabric. The skinning layer is 100% vinylster. Above the water line, the hulls and deck are cored with ¾" Corecell foam, except for hardware attachment points. All coring is vacuum bagged to ensure 100% adhesion. Below the waterline, hulls are made of solid fiberglass. There are two forward watertight compartments, one inside each bow locker, as well as four watertight bulkheads, two forward and two aft. Standard fin keels have a sacrificial section allowing for substantial damage to keels without affecting hull integrity. Hull color is white.

Saloon

The Salon on KOA is beautifully laid out. New Corian countertop "Arctic White" color (2019/2020). With its cherry wood throughout and vast windows, the space is open and very welcoming. The settee is L-shaped, featuring new "Brisa Cream" ultra-leather upholstery, and is centered in the salon. It is elevated on a platform for increased visibility and provides storage underneath. The table is designed to drop down to coffee table height or raise for dining. There are folding corners that allow the table to be adjusted to a larger or smaller size, depending on the crowd. There is an entertainment/storage unit on the aft salon wall. It is 19" deep, has cupboards and drawers for storage. The Splendide washer/dryer, and bar sink are also installed in the entertainment unit.

- Splendide XC2100 washer/dryer combo unit (2020)
- Teak and holly floor
- Custom rugs (2020)
- Overhead hatches w/Oceanair blinds/screens
- Brisa Cream ultra leather upholstery (2020)
- 2 Sirocco fans (2020)
- Phantom screen on the sliding door to the cockpit
- Clarion radio, AM/FM/CD/Satellite system (with lifetime subscription to Sirius XM radio) w/Bluetooth adaptor
- Stereo speaker system zoned to cockpit, saloon, and master cabin.
- Subwoofer with Polk Audio 900W, 5-channel Class D amplifier (2021)
- Clarion DVD
- 32" 1080p Roku Smart LED TV (2022)
- Salon table that is adjustable up and down, as well as in and out
- Floor storage under salon table
- Cherry chart storage unit
- 110V and USB outlet
- 300W inverter (2022)

Galley

The galley is on the port side of the vessel. It is easily accessed by "household" steps and is open to the salon. The craftsmanship of the cabinetry is phenomenal, and the cherry wood is throughout.

- Corian counters in "Arctic White" color (2020)
- 0.68 m2 / 7.3 ft2 capacity fridge
- 0.40 m2 / 4.3 ft2 capacity separate chest freezer – new large evaporator plate (2023)
- Seaward Princess (Model 327) 3-burner propane stove
- Seaward Princess Gourmet (Model 325) Propane Oven
- Microwave/convection oven (2020)
- Propane solenoid switch (2020)
- Double deep sink and new faucet (2020)
- Multiple 110 outlets
- Single-burner electric cooktop
- Electric grill

Master Cabin

The master cabin is located on the starboard side of the vessel. After descending two "household" stairs, the starboard hull is dedicated to the master, featuring a large stateroom, ample storage, a dressing area with two large hanging lockers, and an oversized head. The same beautiful cherry cabinetry is throughout.

- Queen-sized mattress
- 2" latex mattress topper (2022)
- Ventilation pads under the mattress
- One Hatch - w/screen (new lens 2020)
- Bedside table w/2 drawers
- 4 storage drawers under berth
- Bookshelf in cherry
- Multiple storage areas in the stateroom and dressing area
- Escape hatch at the foot of the berth (new lens 2020)
- Storage area under the berth
- Storage at the foot of the bed under the seat upholstered in Brisa Cream ultra leather (2020)
- One Sirocco fan (2020)
- 110v and USB charging outlet

Master Head

The master head is forward on the starboard side. It has a large sink/counter area with new Corian "Arctic White" Corian counter with backsplash and a spacious vanity above. The shower is separated by an acrylic shower door which keeps the rest of the

head completely dry.

- Corian counter – “Arctic White” (2020)
- Stainless steel towel hooks (2020)
- Stainless steel undermount sink, with new faucet (2020)
- Vanity cabinet with storage shelves
- Raritan Elegance electric freshwater toilet (2020)
- Overhead hatch w/Oceanair blind
- 110 power outlet
- All head hoses replaced (2020)
- Shower sump pump

Port Aft Guest Cabin

On the port side, aft of the galley, is the 1st guest cabin. Laid out similarly to the master, it also boasts a true queen-sized bed, featuring a ventilation pad under the mattress, numerous storage cabinets, and a spacious hanging locker. It also has a very large storage area under the berth.

- Queen-sized mattress
- 1” latex mattress topper (2022)
- Ventilation pads under the mattress
- One hatch with a new lens and screen (2020)
- Escape hatch (new lens 2020)
- Storage area under the berth
- Storage at the foot of the bed under the seat upholstered in Brisa Cream ultra leather (2020)
- 1 x Sirocco fan (2020)
- 110v and USB charging outlet

Port Forward Cabin

The 3rd guest stateroom is forward of the galley on the port side. There is a double berth with ventilation pads under the mattress with an adjoining storage cupboard, and a huge range of storage cupboards below, which makes an excellent pantry. There is also storage beneath the mattress.

- Full-sized mattress
- Ventilation pads under the mattress
- Overhead hatch w/Oceanair blind and screen (2022)
- One Sirocco fan (2022)
- 110V and USB charging outlets

Port Forward Head

Koa has a second head located forward on the port side.

- Fresh water electric head
- Jabsco pump (2021)
- Wet shower
- Shower sump pump

Lighting

- All interior LED lighting (2020)
- All navigation lighting LED (2020)
- Mast head tri-color/anchor light (2021)
- Davit light – 1 LED light (2020)
- Saloon - 6 overhead lights. 2 reading lights mounted on the forward bulkhead. 4 courtesy lights in the saloon step
- Saloon ceiling light with 4 LED lights on a dimmer
- Galley - 4 overhead lights and three counter lights mounted under outboard shelves. 1 under-counter fluorescent over the stove top. Three courtesy lights are in the access step faces.
- Master Cabin - 2 overhead lights and two reading lights. 4 overhead lights in dressing area, three courtesy lights in access steps
- Master Head - 5 overhead lights
- Port Head – 2 overhead lights with switch - Port Forward Cabin - 2 overhead lights with switch, two reading lights - Guest Cabin - 2 overhead lights, two reading lights
- Cockpit - overhead lights mounted on the hardtop. Courtesy lights are mounted on each transom step and companion well steps

Steering

- Stainless steel wheel marked with King spoke
- Rudders are skegged for extra strength and stability
- Whitlock shaft drive "MAMBA" system
- Rudders linked by stainless steel tiller bar
- UHMW polyethylene bearing (2020)
- Accommodation for emergency steering through transom stairs
- Emergency tiller located in port transom locker
- New bushings at rudders and bushing at steering (2020)

Safety Gear

- Offshore Type I PFD, and auto-inflatable life jackets x6

- Safety "Jack Lines"
- EPIRB – ACR Globalfix
- EPIRB – Ocean Signal (2024)
- Iridium Go
- VHF radio – Raymarine Ray60
- SSB – ICOM IC-M802
- AIS – Raymarine 650
- Radar – Raymarine Quantum 2 Doppler (2023)
- Fire extinguishers: Starboard Steps, Galley, Saloon, Cockpit
- Galley - Fire blanket, smoke/CO sensor (2020), LPG detector
- Master cabin – smoke/CO sensor (2023)
- Danbuoy, throwing lines, life ring/light, Life-Sling x 2
- Bilge pumps – 5 x 2000 GPH with manual and automatic float switches with all new hoses and thru hulls (2020)
- Emergency hand-operated bilge pump – cockpit locker
- Heavy-duty cable cutters – salon settee
- 6-person Winslow Valaise life raft, recertified (2022)

Anchoring and Docking

- Primary: Mantus M2, 83lb anchor (2020), 300' G43 3/8" HT chain (2023)
- Secondary: Spade 120, 25kg anchor, 20' G43 3/8" HT chain (2018) and 150' rode (2023)
- Stern Anchor: Fortress F37 with storage bag, with chain and rode (2020)
- Quick 1400w electric windlass with handheld control (2020)
- 6 fenders, 2 dock boards, 1 round fender, and 2 small fenders
- Set of dock lines (2022)
- Boat Hook
- Hook & Moor
- 50 ft 30-amp power cords x 2
- 50-amp to 30-amp splitter
- Saltwater wash-down on the foredeck for the anchor chain and anchor
- Freshwater wash-down on the foredeck
- Anchor bridle (2023)

Sails

Koa carries a Main, Self-Tacking Jib, Genoa, Screecher, and Spinnaker.

- Mainsail – 54.6 m2 / 588 ft2 (made by North Sails, Antigua – new 2023, serviced 2024)
 - High Roach 6751-001 94Nordac
 - 6 full-length battens, with 2 single-line reef points
 - 2:1 main halyard with a headboard block and shackle

- Antal clew anti-friction rings on the luff
 - Harken mainsheet traveler system mounted on hardtop
 - 6:1 Harken traveler controls accessible from the cockpit
 - Harken sliding luff car system for Mainsail
 - Tell tales, trim stripes, overhead leech cord, Cunningham, sailbag
 - PDQ Main Tamer
 - Harken power winch, self-tailing, 2-speed
 - Lazy jacks (2020)
 - Sunbrella Mack Stack sail cover Cadet Gray (2020)
- Genoa – 130%, 39.45 m² / 425 ft² (made by North Sails, Antigua – new 2023, serviced 2024)
 - 78Nordac
 - Rope Luff & Reefing Structure, UV Cover, Trim Stripes
 - Genoa tracks with adjustable fairleads
 - Genoa sheets (2022)
 - Harken self-tailing 2-speed winch for furling (powered) and sheet control
 - 2 reversible speed winch handles, with stern winch pockets
 - Halyard with snap shackle
 - Furlex 400s furler
- Jib – 95%, 23 m² / 248 ft² (original, unused)
 - Harken self-tacking Jib traveler installed on foredeck
 - Single line Jib sheet lead to cockpit
 - Tell tales
- Screecher – 59 m² / 635 ft² (2016, serviced 2024)
 - Dimension Polyant Radial Pentex PET10 with 2 Spectra luff lines & UV Dacron
 - Harken Code Zero furling lead to cockpit
 - Harken Loups replaced (2023)
 - Auxiliary halyard fitted with snap shackle
 - Screecher sheets lead aft to Harken fairlead blocks and winch
 - Stowable bowsprit mounted on front crossbeam
- Asymmetrical Spinnaker with a sock – 110.1 m² / 1185 ft²
 - Tack of the sail attached to Tylaska shackle through the bowsprit clutch to the jib sheet
 - Clew is attached to the sheets leading aft to the Harken fairlead block and winch
 - The dedicated spinnaker halyard runs to the cockpit powered winch – (2024)

Engine/Mechanical

- Engine/Mechanical Overview

- 2 x 3YM30AE Yanmars, newly installed 2020 (1000 hrs)
- all new fuel lines, new Racor 500 fuel filters, new water lines, new sea strainers, new seacocks, new thru hulls, engine bays with new sound insulation (2020)
- new PSS shaft seals (2023)
- New fiberglass stern tubes, new mufflers, new exhaust hose (2020)
- New Kobelt control, new Kobelt throttle cables, new Kobelt shifter cables (2020)
- 3-blade Maxprops, sent to PYI 2020, like new
- 4 new cutlass bearings (2021)
- Generator
 - 2017 Kohler 6KW Generator with sound shield installed 2020 - 250 hours
 - Kohler controller (2023)
 - Replaced oil pressure sender (2023)
 - Replaced Rotor Assembly (2023)
 - All new fuel and raw water lines, new raw water lift pump, new seacock, new strainer, new muffler, new exhaust hose, new exhaust hose thru-hull (2020)
- Air Conditioning

There are 3 Cruisair seawater heat exchange air conditioners, providing cooling or heating to each of the stern cabins (6,500 BTU) and the main saloon (16,500 BTU). All units operate on AC power, are water-cooled, with seacocks, pumps, and strainers.

- Each A/C is controlled by a user-selectable thermostatic panel
- The raw water strainers can be found under each cabin and galley sole plates.
- The AC compressors are under the aft bunks and under the saloon seating
- Soft starts installed on all units (2021)
- Master cabin AC wired to run off inverter/batteries (2021)
- Port aft cabin new blower and control head (2022)
- Fuel Transfer System

The diesel fuel can be moved between tanks or polished using a valve combination, a circulating pump, and a Racor filter located in the starboard hull.

- Twin 60-gallon aluminum diesel tanks mounted midship below the water line. Tanks installed by the factory at build time
- Valves allow fuel to be transferred to/from port and starboard tanks
- Valves allow fuel to be polished or conditioned within either tank
- The generator draws fuel from the starboard tank

Exterior

- Deck Hardware
 - Spinlock line clutches - 7 at aft winch, 5 at forward winch, 1 on the bowsprit
 - Mooring cleat (12") on each bow, with fairleads for docking and mooring
 - Mooring cleat (12") x2 amidships on each hull, with fairleads
 - Mooring cleat (12") on each stern, with fairleads
 - Mooring cleat (12") on each transom
 - Stanchions (6) 30" high with double stainless-steel lifelines per side
 - Lifeline "gates" with pelican hooks at stern and transom, both sides
 - Recessed swim ladder on port side steps, easily deployed from in water
 - Bow seats in pulpits
 - Rub rail provides hull protection, reflective tape aids identification at night
 - Chain Plates - Stainless steel through-bolted into primary reinforcements
 - Front Beam - Aluminum compression member that supports the forestay, wire bridle, and tie-down support for the trampoline
 - Trampoline - net is woven and sewn vinyl-dipped dacron for excellent comfort and durability (2024)
- Davits
 - Stainless steel arch with two integrated elevated starboard bench seating
 - Davit hoist using stern powered winch, Harken blocks, and Spinlock clutches
 - New davit lines, new Harken Davit blocks, new davit reinforced back plates (2020)
 - AIS aerial (backup)
 - Davit lighting (2020)
 - Navigation stern light
 - Sovereign Propane BBQ Grill
 - Single Side Band antenna – antenna cable replaced (2022)
- Cockpit
 - Bimini hardtop includes an integral carbon fiber beam support for Harken traveler
 - Foredeck and mid-ship steps to Bimini top
 - Two sliding hatches
 - Phantom retracting screen door
 - Reversible dual helm seat, with storage under (2020)
 - Moveable step stool at the helm, and deployable stainless steel footrest
 - Custom teak cockpit table (2023)
 - Cockpit cushions, white vinyl (2020)

- 12-volt instrument electrical panel
 - Gray textilene sunshade (see-through for sailing), between Bimini and Davits in Cadet Gray (2020)
 - Gray textilene aft shade (2024)
 - Full new Sunbrella cockpit enclosure in Cadet Gray (2020)
 - Strataglass windshield with zippered ventilation openings (2020)
 - Fusion Cockpit speakers
 - Shower with hot and cold adjustment, port side
 - Marina Cable TV and phone hookup, starboard side of the helm station
 - Dometic Fridge/Freezer, 12v or 120VAC (2025)
 - LED dimmable Cockpit lights, switchable from red (night running) to white light
 - LED courtesy lighting
 - EPIRB - ACR Global Fix Pro
 - All line clutches for halyards, reefing, lines, sheets, boom brake, furling, and topping lift led aft to two winch stations.
 - Lewmar powered helm
 - Chart plotters, radio, wind, depth, autohelm, engine instruments (see Electronics section)
 - MAS Plastics tinted saloon windshield (2018)
 - Textilene sunshade, black (2020)
- Mast & Rigging
 - Deck Stepped anodized aluminum Selden Mast, double diamond stay configuration
 - Stainless steel standing rigging, Dolphin Striker, and Martingale (new 2018, inspection 2023)
 - Maintamer and lazy jacks
 - Mack stack mainsail cover, Cadet Gray (2020)
 - Stowable bow sprit mounted on the front cross beam
 - 4 folding steps added to the mast base
 - Running rigging lead through underdeck raceway to cockpit line clutch and winch pedestals
 - Anti-chafe sail rollers on Spreaders
 - Conduit in the mast for all electrical wiring
 - LED Tri-color navigation lights (controlled at the cockpit) – (2021)
 - Deck flood lights
- Running Rigging
 - Reef 1 Short (2022) – Marlow D2 Club 12mm Black – 7m
 - Screecher Furling (2022) – New England Ropes VPC 10mm Navy Blue –

38m

- Genoa Halyard (2023) – Gottifredi Maffioli Softech 12mm (Dyneema core / H.T. Polyester cover) – 42m
 - Genoa sheets (2023)
 - Reef 1 Long (2024) – Gottifredi Maffioli Softech 12mm (Dyneema core / H.T. Polyester cover) – 30m
 - Reef 2 Short & Long (2024) – Gottifredi Maffioli Softech 12mm (Dyneema core / H.T. Polyester cover) – 7m & 38m
 - Spinnaker halyard (2024) – Gottifredi Maffioli Softech 12mm (Dyneema core / H.T. Polyester cover) – 45m
 - Boom Vang (2024) - Gottifredi Maffioli Tasmania 10mm (Polyester Double Braid) – 20m
 - 4:1 Boom Preventer (2024) – 8mm (Polyester Double Braid)
- Deck Lockers
 - Port forward locker with access via a Bomar hatch
 - Port black water holding tank with Sealand ECO tank vent filter
 - Y valve with locking mechanism for head holding tank, gravity drop at sea
 - Blackwater pump out, on deck above the generator compartment
 - Locker LED lighting
 - Starboard forward locker with access via a Bomar hatch and steps to the generator
 - Starboard black water holding tank
 - Y valve with locking mechanism for head holding tank, gravity drop at sea
 - Blackwater pump out, on deck above the generator compartment
 - Whale shower sump pump (2019)
 - All hoses for the blackwater holding tank (2020).
 - Bilge pump (2025)
 - Locker LED lighting
 - Center forward locker, with access via a Bomar hatch, and stainless-steel ladder to ship house batteries, windlass motor (new 2020), fender storage, halyards & raceway under bridge deck
 - Cockpit lazarette with double door entry gives access to refrigeration compressors & steering components
 - Twin cockpit stern rope lockers with starboard dividers creating 4 rope compartments, each locker houses a 20 lb propane tank with external venting
 - Transom lockers with access to the shaft steering system, water maker, and emergency rudder steering

Electrical

Vessel wired for 115 VAC and 12 VDC

- Victron 3000w inverter charger (2020)
- Two 30-amp 120VAC 60Hz shore power cords support air conditioning loads, when available. ELCI breakers detect reverse polarity and a ProMariner galvanic isolator located in the master cabin – (2025)
- 900W solar panels on Arch – Heliene 60M-300BLK (2020)
- 720w solar panels on Bimini – Longi LR4-60HPB-360M (2023)
- Victron MPPT 150/60 controller – Arch (2020)
- Victron MPPT 150/70 controller – Bimini (2023)
- Victron MPPT 100/30 controller – spare (2020)
- House Battery Bank – 1200 ah of LiFePo4 batteries (2020)
- Engines x 2, crank AGM batteries (2020), each isolated with its own breaker switch, with all new cable wiring
- Generator x 1, crank battery (2024), isolated with own breaker switch with all new cable wiring (2020)
- 12VDC: Paneltronics 24x 15-amp breakers with 100-amp main switch, voltmeter for reading all batteries, line voltage meter for shore power/generator input, and amp meter for reading load current, all at Nav Station
- 115VAC: Paneltronics 11 breakers with main supply safety breakers, either connect to shore power or generator, not both. Safety breaker to switch over to Inverter power for selected appliances

Electronics

- Electronics - Nav/Helm Station/Communications
 - Raymarine Axiom 2 Pro 12" Chart Plotter, w/integrated radar and AIS (2023)
 - Raymarine Axiom+ 9" Chart Plotter, w/integrated radar and AIS (2023)
 - Raymarine phone Apps for Bluetooth remote viewing/control of displays
 - Raymarine Quantum 2 Q240 Doppler Radar (2023)
 - Raymarine GPS sensor mounted on the Bimini Top
 - Raymarine ITC-5 (2023), transducers mounted port hull and mast
 - Raymarine i70s multifunction color display (2023)
 - Raymarine i70s multifunction color display (2023)
 - Raymarine p70s color autopilot head (2023)
 - Raymarine Evolution EV1 Sensor Core (2023)
 - Raymarine ACU-400 (2023)
 - Raymarine ST6002 autopilot head (backup)
 - Raymarine Smart Pilot course computer (backup)
 - Raymarine autopilot compass (backup)
 - Switches to transition from primary to secondary autopilot systems behind the helm access panel (2023)
 - Raymarine P79 in-hull depth sensor, 600W 50-200 Hz, mounted in starboard hull

- Raymarine NMEA 2000 backbone (2023)
- Raymarine 650 AIS Class B (transmit/receive) system
- Raymarine Ray60 VHF DSC radio
- Raymarine AIS/VHF splitter (2023)
- Raymarine RCU-3 remote controller
- Yanmar engine panels (2020)
- Kobelt throttles (2020)
- 12V charger
- Entertainment System
 - Clarion AM/FM/SAT/MP3/DVD/CD Stereo, 6 x disc changer, 2 x saloon speakers and subwoofer, 2 x master cabin speakers, 2 x cockpit speakers, selectable speaker switch, Bluetooth adaptor
 - Sirius XM / Sat radio (lifetime subscription)
 - DVD Player
 - 32" 1080p Roku Smart LED TV (2022)
 - Bluetooth adaptor, stream music from personal devices to AUX entertainment system (2022)
 - AM/FM - VHF digital Band separator on VHF antenna Cable TV/phone inlet by shore power connection
 - Peplink Max Transit cellular router (2021)
 - Starlink antenna & router (2023)
- Salon Nav Station
 - Raymarine Raymic 60 VHF DSC repeater
 - ICOM IC-M802 HF Marine SSB/Ham radio with external speaker and Auto Tuner at Nav Station. Dynaplate grounding, SSB antenna mounted on the Port transom
 - Brass ships time, barometer, hydrometer, and thermometer

Plumbing

- House water pressurized by Shurflo Extreme Smart Sensor 5.7 (new 2021), flow rate 5 gal/min, Carbon filter
- Splendide 2100xc washer/dryer (2020)
- Quick 1200w hot water tanks x 2 with engine heat exchanger (2020)
- 2000 gph bilge pumps x 2 installed amidships in each hull (2020) new hoses, new thru hulls
- High water bilge alarms

Water maker

- Rainman water maker produces 36-40 gph (2020), mounted in the starboard

transom locker

- Raw water pickup tied into master cabin AC thru-hull to allow for making water underway (2023)
- 3-way valve to support pickling located in starboard transom locker (2023)
- 7-day auto flush system (2023)
- New membranes (2024)

Dinghy

- Highfield Classic 340 LS – 11 ft 4 in dinghy (2019)
- Yamaha 20hp 4-stroke outboard (2024)
- Bench seating with storage under, double-level floor, bow anchor storage locker, and fuel locker
- Set of oars, painter, manual water pump out, dinghy anchor
- Stern anchor on bungee (2024)
- NaviSafe lights (2021)
- Davit Dyneema lifting lines (2023)
- Custom dinghy chaps (2023)

Disclaimer

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