

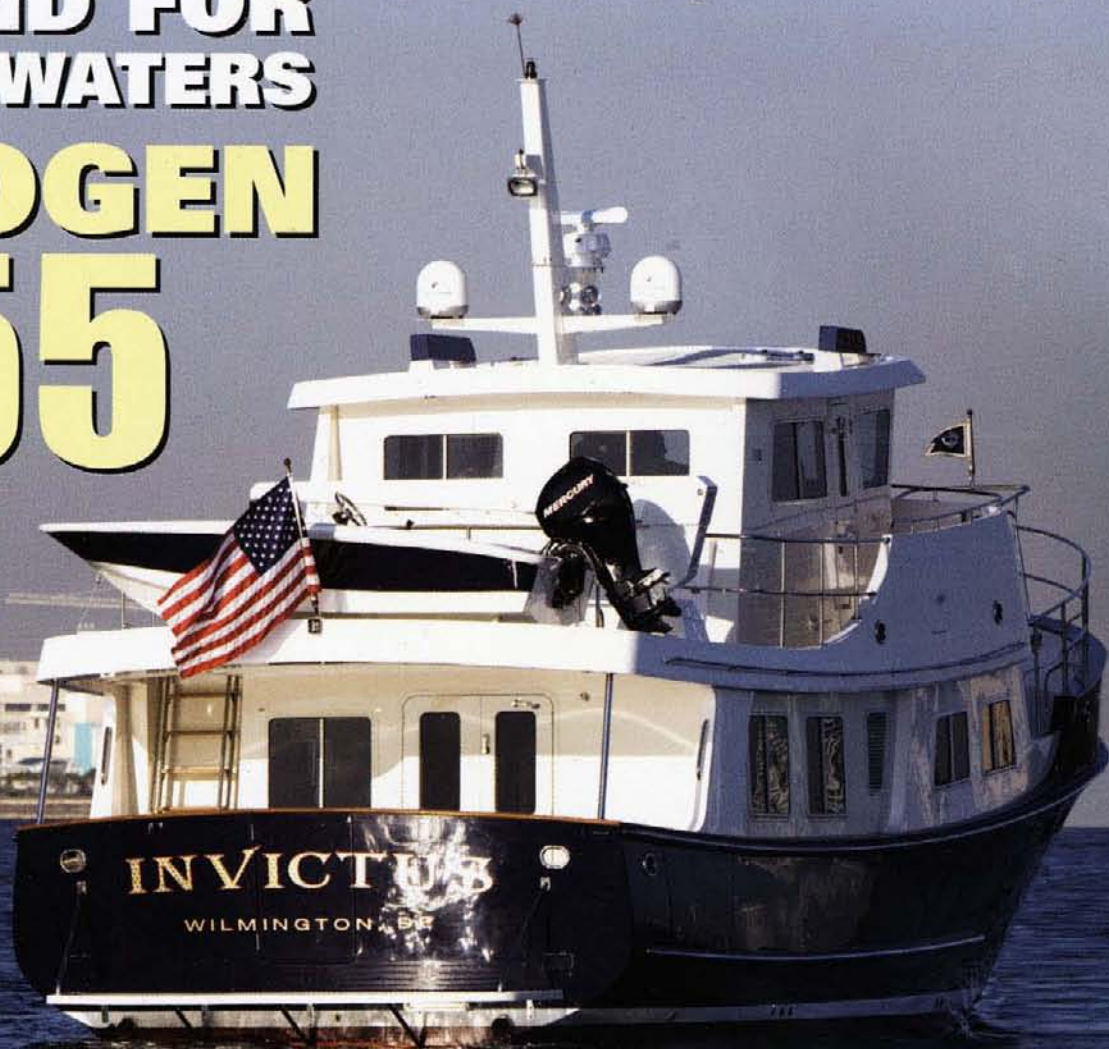
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KADEY-KROGEN'S NEWEST CRUISER
EMBRACES THE BLUEWATER TRADITIONS
THAT HAVE SHAPED THE BUILDER'S
LEGENDARY REPUTATION

STORY BY JOHN WOOLDRIDGE
PHOTOGRAPHY BY BILLY BLACK

The first time I laid eyes on the Krogen 55 Expedition, in the Hutchinson Island Marina at this year's Stuart Trawler Fest, I immediately wanted to board her and go to sea. From her high, full bow sections and clean foredeck to her expedition-style pilothouse and well-protected aft deck, she seemed purpose-made for safe and comfortable passagemaking.

And even though strong winds were blowing relentlessly out of the southeast the week I joined Kadey-Krogen Yachts' vice president, Larry Polster, and Gregg Gandy, one of the company's service managers, to deliver the boat from their Stuart, Florida, headquarters to Miami in time for the boat show, I had no misgivings about our planned delivery. It was the perfect opportunity for me to see the Krogen 55 in action, and I wasn't about to miss it. This boat was made for big waves and open water.

Parallels between the new 55 Expedition and the legendary Krogen 48 Whaleback are obvious to those who follow this builder's progress. Both are roomy, ocean-going designs with raised foredecks on the same level as the boat decks aft. And even though some may not take an instant liking to the bulk forward, as one Whaleback owner put it, "I don't live on the outside of the boat."

The conceptual design and styling were Kurt Krogen's, with a lot of the preliminary naval architecture by Jimmy Krogen, who owns the James S. Krogen & Company yacht design firm founded by his father. Tom Fexas Yacht Design did the final styling and engineering.

"When we started the project, we didn't want to just build a bigger, better-looking Whaleback," said Polster. "We wanted to improve some of the fundamental things that made the original design so successful.

"For instance, the spiral staircase leading from the main deck up to the pilothouse was key, and that affected everything around it. In our view, it had to be a more traditional staircase, with home-like risers and treads. In the same vertical distance you find in the 48, the staircase in the 55 has almost 2 feet of extra run to make it more comfortable to use, particularly in a seaway. It also dictated that the 55 would be a two-cabin rather than a three-cabin layout, with a big galley, although a three cabin with small galley is available. But, honestly, that was already the trend in our recent designs—comfortable accommodations for a couple and occasional visitors."





KROGEN 55
EXPEDITION



The word "expedition" in the title indicated to me that the boat has plenty of tankage for the long haul, excellent seagoing capabilities, and room for the equipment and stores required when voyaging long distances. But that is a description of all boats built by Kadey-Krogen.

"The 55 Expedition has the same kind of range, the same pure full-displacement hull, and the same twin counter-faired skegs protecting the running gear that you will find on the Krogen 58," Polster said. "It is not a replacement for the 58. Rather, it is a styling choice, a bluewater vessel no more or less capable than a 58, except that it has a slightly better draft for skinny-water destinations."

From the beginning, the 55 Expedition was designed for twin diesels. Polster told me that the 58 was designed to be powered by a single engine or twins, and that hull number 1 was a single, but it is the only one to date; all the rest are twins. Single-engine 58s have an extra 12-15 inches of draft for the big wheel. For the 55 Expedition, twins add get-home capabilities: one engine will push the boat at 8 knots. Single-engine boats with some sort of auxiliary system don't offer the same get-home speed potential.

"With the skegs protecting the twin wheels, you have the advantages of running gear protection and a powerful get-home capability with one engine," Polster said. "The skegs on the 55 Expedition are aramid reinforced, have a sand shoe underneath to protect the shaft and prop, and have rudders hung behind. Like most Krogen designs, it still has a solid central keel, shaped so that the boat can dry out on the skegs and main keel at low tide."

The shape of hull below the waterline includes a fine entry forward for clean wave entry and a fine exit aft with a V-shape: the well-known Krogen wineglass stern, which minimizes the amount of hull in the water and improves the downwind ride. Above the waterline, the forward sections are more full, so the stem is fairly vertical. The high freeboard forward is made for big seas and for increased reserve buoyancy. The fullness amidships carries well aft, ending in a beautiful tumblehome at the transom that accentuates the springy sheerline forward.

Premium Cook gelcoat makes the outer surface of the 55 Expedition shine brightly and wear well. The solid fiberglass lamination below the waterline incorporates vinyl ester resins in the first laminates for optimal resistance to osmotic blistering. Impact-resistant aramid fabrics are used to reinforce the stem and stern bottom areas. Above the waterline, and in the superstructure and decks, Knytex (mat and Core-Cell) cored sides add strength without excess weight.

"We don't laminate in mold halves and then join



The heavy-duty bow pulpit easily stores two different styles of anchors and is drained to keep the foredeck clean.

them, which leaves a rough stem-to-stern edge to grind down when the hull is pulled," Polster said. "We begin with the halves bolted together and completely fair and polish the joint lines before the gelcoat is sprayed and lamination begins. To our way of thinking, using this method means that the gelcoat is original, not retouched, and it should be stronger and last longer."

A SHIPSHAPE ENGINE ROOM

There are four structural bulkheads with Freeman watertight doors in the hull. Climbing down the ladder located near the base of the stairway into the compartment referred to as the machinery space, you can look forward through a watertight door opening and see the bow thruster tube in the far forward compartment just behind the solid, aramid-reinforced, watertight collision bulkhead. The next compartment



Twin Stidd seats, a large console for leading-edge electronics, and outstanding visibility make this bridgedeck a cut above.

contains the tanks for black and gray water and the house batteries (properly secured and boxed) in racks, and it is separated from the machinery space with another watertight door.

The air conditioned machinery space holds the 30-gallon water heater, two freshwater pumps, dual VacuFlush systems, twin 270-gallon stainless steel freshwater tanks with sight tubes and large inspection ports, an auxiliary Frigoboat freezer, a workbench, and the chilled-water air conditioning units.

There is excellent access to the American Bow Thruster TRAC 250 stabilizers on both sides. Fuel management is key, so twin sets of dual-filter Racors for engines, and one for the 16kW Northern Lights genset, are found on the bulkhead, easy to inspect and service. Another large Racor filter outboard is dedicated to the ESI CFS1000 FR Clean Fuel Solution System, standard equipment on the entire line of

Krogen yachts. The main aluminum fuel tanks are port and starboard, built with heavy aluminum construction and huge inspection ports.

The engine room is through another watertight door aft, and the first thing you see are good handholds along both sides of the walkway between the 158hp John Deere 6068TFM main engines, and plenty of room to work on all sides. With approximately 5 feet 6 inches of headroom, it will be easy to check the genset regularly and gain access to the starting batteries. Universal power converters on the aft bulkhead allow owners to plug in anywhere in the world. There are PTO (power takeoff) units on each motor and on the genset, and it is important to note that the PTO on the motor is large enough to handle the demands of the ABT bow thruster or the Maxwell 3500 windlass at idle speeds, with no need to start the genset or rev the mains. Centek water-lift mufflers for the mains exit



Top: With the twin Freeman watertight saloon doors open, the distinction between the luxury inside and nature outside fades.
 Above left: Warm cherry panels and furniture grace the 55 Expedition's spacious, contemporary saloon and adjoining galley.
 Above right: Topflight stainless-finish appliances and custom granite countertops highlight the architecturally interesting galley.



out the transom. Fuel and hydraulics handles are easy to reach, and all are labeled. With wiring chases running cleanly fore and aft, the engine room is well organized for service.

ON DECK

Aft deck access is through starboard and port side doors and a transom door. Generously sized hawseholes lead to large cleats mounted on the bulwark sides, which are hip high for safety. On both sides forward, you'll find fuel and water fills recessed in overflow pockets—a nice touch—plus electrical (for the two remote-controlled Glendinning Cablemasters), city water, TV, and cable receptacles grouped together on the starboard side. To port, a stainless steel ladder with teak treads leads up to a hatch to the boat deck, and there's a large locker with a stainless sink on top and storage below. Twin Freeman watertight doors open wide and latch securely, making the aft deck, which is well protected by the overhead boat deck, an integral part of the saloon space on nice days.

With its sides pushed out to the gunwales, the saloon is massive. It's a comfortable living space finished in flawless cherry woodwork and cabinetry, and furnished with an L-shaped settee to port that's long enough to stretch out on when naptime rolls around. Lighting is provided by i2Systems LEDs, a leading-edge system that can be adjusted to meet your needs. A Raritan Icer-Ette ice maker in the bookcase base is standard, as is the large, foldout-top cherry table with a high-low base. A GE wine cooler is also standard.



Left: The electrical panel is situated at the base of the pilothouse stairs. Right: The back of the panel reveals impressive wiring that has been installed with great care.

KROGEN 55 EXPEDITION

LOA	60' 2"
LWL	49' 6"
BEAM	18' 10"
DRAFT	4' 10" (half load)
DISPLACEMENT	87,870 lb. (half load)
BRIDGE CLEARANCE	17' 7" (excluding mast and name board)
FUEL	1,880 U.S. gal.
WATER	500 U.S. gal.
HOLDING TANK	140 U.S. gal.
GRAY WATER	140 U.S. gal.
GENERATOR	16kW Northern Lights
ENGINES	Twin 158hp John Deere 6068TFM M1s, Tier II compliant (standard)
MAXIMUM SPEED	10 knots (standard power)
CRUISE SPEED	8 knots
RANGE AT CRUISE SPEED	3,080nm
DESIGNER	Kurt Krogen
BUILDER	Kadey-Krogen Yachts
PRICE AS TESTED	\$1,895,000

For more information:
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Stuart, FL 34994
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The galley is one of the roomiest and most architecturally interesting spaces I've seen on a cruising boat, with a large Jenn-Air refrigerator-freezer and Viking gas range both rotated at 45 degrees, creating space along the centerline hallway for a lighted cabinet, plus storage farther forward. Beautiful granite countertops provide loads of working space, with a GE compact trash compactor and Miele dishwasher below, and there are loads of cabinets and drawers for stores, cutlery, and pots and pans. The sole is a handsome cherry parquet, also found in the saloon and cabins.

As befits the owner's accommodations, the master stateroom is graced with a full-size island queen berth,



In this view from the engine room, the watertight Freeman doors are open for access to all belowdecks storage and machinery.

companionway, 66dBA in the guest stateroom, 61dBA in the master, and, finally, 58dBA in the pilothouse. Acoustic engineering and a liberal dose of Soundown noise dampening in the

engine room paid off handsomely.

I slipped out one of the two Freeman Dutch-style watertight pilothouse doors and toured the upper deck, taking a moment to appreciate the dual wing control stations behind the full-width Portuguese bridge, then wandered back to examine the gas grill and sink, and the Nautical Structures Euro 1,200-lb. davit. The foredeck is well protected with welded handrails and an intermediate lifeline that extends to the end of the bow pulpit, where two anchors can be stowed at the ready. The big Maxwell 3500 has a dual-chain wheel and capstan. A Freeman watertight deck hatch ensures that the anchor locker will not flood accidentally in big seas.

Keeping watch from the pilothouse in one of the two Stidd helm chairs, I enjoyed the luxury of 360-degree visibility. The three big Exalto windshield wipers kept

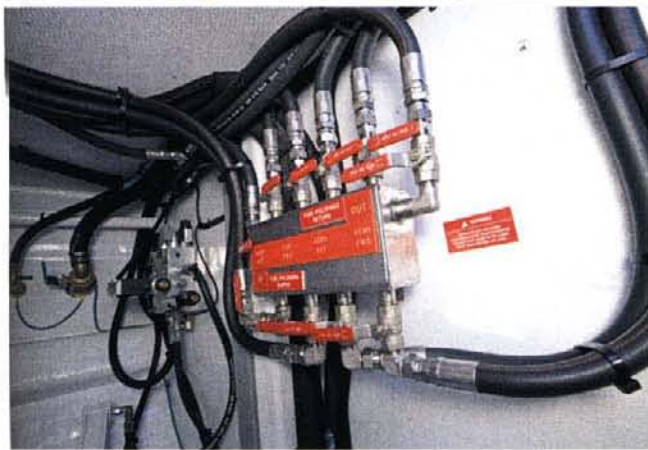
abundant storage with slatted door fronts, beautifully matched cherry paneling, and a large en-suite head compartment. Four opening portholes and two overhead hatches ensure abundant natural light and ventilation. The starboard guest cabin, configured as an office or den, has a settee that converts to a double berth; the cabin also houses the Asko washer and dryer. The day head is across the hall to port, and, like the master head, it features granite countertops, a separate molded-fiberglass shower compartment, and a SeaLand VacuFlush toilet.

UNDER WAY

As we motored toward the St. Lucie Inlet, making 8 knots at about 1800 rpm, I prowled the interior of the 55 Expedition with my sound meter. I recorded 68dBA in the saloon, 67dBA in the galley, 64dBA in the



Courtesy of ESI



Top: A large Racor filter and pump mounted outboard are part of the ESI CFS1000 FR Clean Fuel Solution System, now standard on all Kadey-Krogen yachts. Above: All valve handles are positioned for ease of use and are clearly marked for proper identification.

the small amount of spray at bay. The large cherry helm console had room for three big displays, with a flat area ahead of the wheel for the engine instrumentation, ZF Mathers MicroCommander throttles/shifters, and the bow thruster control. A large chart table set to starboard included storage below.



With her well-protected aft deck, raised pilothouse, and high bow, the Krogen 55 Expedition is ready for open water.

The L-shaped settee behind the Stidds was set at just the right height to let guests enjoy the same view as the helmsperson and mate.

The view ahead most of the day was 6-footers on the nose, which shifted to the port bow as we made our way south. The sharp bow of the 55 Expedition cleaved cleanly and took the thump out of what could have been a very unpleasant ride. At nightfall, as we turned in to Port Everglades, I finally had a chance to experience the downwind ride of the yacht's wineglass stern. The boat rose vertically as the waves came up under the stern, but there was no need to see the wheel—the hull tracked very straight, right down the center of the entrance marked by the PE sea buoy.

If you followed the progress of the Krogen 55 Expedition on Kadey-Krogen's website or in its newsletter, you know that there was a lot of anticipation as this boat went through development and construction. If you get a chance to spend a day aboard with some of the Atlantic's nastiest chop on the nose, I think you'll agree that it was definitely worth the wait. 