



IRIS

47' (14.33m) 2013 Brooklin Boat Yard Eggemoggin 47
Rockport Maine United States



OVERVIEW

\$475,000

Manufacturer: *Brooklin Boat Yard*

Engines:

Engine Model:

Engine HP:

Beam:

Max Draft: "

Water:

Hull Material: Cold Molded

Cruise Speed: Knots

Max Speed: Knots

Cabins/Heads: /

Fuel Type: Diesel

Fuel:



Data Sheet

Category: Daysailers
Subcategory: Racing Sailboat
Condition: Used
Model Year: 2013
LOA: 47' 6" (14.48m)

Knots
Knots
Fuel Type: Diesel
Hull Material: Cold Molded

Imported: No
HIN/IMO: BKN00002G313

Engines/Generators

Summary/Description

The Brooklin Boat Yard designed and built Eggemoggin 47, **IRIS** is very much a wolf in sheep's clothing combining the classic elegance of yachting's past with the sailing performance of today's hot racing classes.

IRIS

2013, Brooklin Boat Yard / Eggemoggin 47

The Brooklin Boat Yard designed and built Eggemoggin 47 **IRIS** is very much a wolf in sheep's clothing combining the classic elegance of yachting's past with of today's hot racing classes. **IRIS's** extremely lightweight and incredibly strong hull is a composite construction of strip-planking cedar sandwiched between inner and outer carbon fiber skins with an aggressive underwater profile of a fin/bulb keel and deep, balanced spade carbon fiber rudder. Her decks are built with lightness and strength in mind, but the eye sees only **IRIS's** traditional laid teak, varnished brightwork and shining, polished stainless steel deck hardware.

Aloft **IRIS** is powered by a generous (846 sq. ft.) sail plan set on a double-spreader, fractionally-rigged carbon fiber mast with lightweight PBO standing rigging and Harken roller-furling headstay, self-tacking jib and Leisure-Furl boom. Most halyards and sail control lines are led back to the cockpit making single or short-handed day sailing a breeze while the well laid-out cockpit and deck plan make for highly effective crew work when in racing mode.

As befits a "Modern Classic" **IRIS's** elegantly finished interior spaces makes one think they have stepped back in time to the days of gentlemanly yachting and while primarily a day sailor **IRIS** is fitted out down below with a main saloon laid out for comfortable relaxation or afternoon nap out of the weather and a private "powder room" head space forward.

Built in 2013 **IRIS** has been primarily used for a few summer months each year day sailing here in the coast of Maine and occasionally racing in local mixed fleets and classic yacht events like the Eggemoggin Reach Regatta.

When not being used **IRIS** has been stored and maintained at some of the finest boat yards in downeast and midcoast Maine. **IRIS** is in exceedingly good condition with little (if any) work apart from normal spring commissioning needed in order to be out on the water this season.

Principle Dimensions and Information

Designer: Brooklin Boat Yard

Builder: Brooklin Boat Yard

Year Built 2013

LOA: 47', 6"

LWL: 34', 6"

Beam: 9', 0"

Draft: 7', 6"

Displacement: 10,800 lbs.

Ballast: 5,625 lbs.

Sail Area: 846 sq. ft.

Auxiliary Propulsion: Yanmar 3YM30C-SD20 with Saildrive, 30 HP

Fuel Capacity: 14 Gallons

Fresh Water Capacity: 14 Gallons

Black Water Capacity: 9 Gallons

Hull Construction

Hull Skin: Hull planked with $\frac{3}{4}$ " western red cedar tongue and groove strip planking, $\frac{3}{4}$ " Douglas Fir strips in way of keel floors, sheathed with 9 ounce unidirectional carbon fiber. Carbon fiber is vacuum bagged 90 degrees to centerline and overlaps 6" on centerline.

Frames: Laminated of $\frac{1}{8}$ " Douglas Fir veneer, molded 2", sided 1-1/2" at sheer. Molding and siding will vary, as required by plans.

Floor Timbers: 3 $\frac{1}{2}$ " laminated Alaskan yellow cedar floor timbers in way of keel bolts, and 1 $\frac{3}{4}$ " floor timbers mounted to each bulkhead with $\frac{3}{8}$ " bronze bolts through the keelson.

Bulkheads: Marine-grade $\frac{3}{8}$ " Miranti plywood. Bulkheads to have margin pieces of 1-1/4" x 1" Alaskan Yellow Cedar.

Keelson: Molded 2-1/4", sided as necessary to run out to a feather edge. Two layers of $\frac{3}{4}$ " Alaskan Yellow Cedar, and one layer of 18mm Sapelle marine-grade plywood.

Inner and Outer Stem: Laminated $\frac{1}{4}$ " Alaskan Yellow Cedar, sided 7". Inner stem molded 4", outer stem molded 1-1/2".

Transom: Laminated of three layers 4mm Okoume plywood. Transom frame around perimeter, 1-1/2" thick, made of two layers of molded plywood offcuts from transom lamination. Frame to finish 1" thick x 2" wide on forward face.

Longitudinal Girders: 9mm Miranti marine grade plywood, extending from bulkhead C to bulkhead H.

Chainplate Reinforcement: Chainplates mounted on 1 $\frac{3}{4}$ " Mahogany blocks mounted on the aft face of bulkhead C.

Keel Fin and Ballast: Ballast approximately 5,625 lb. lead, cast in high-aspect ratio fin and foil-shaped bulb. Top of keel fin of Douglas fir sheathed in three layers of 12 ounce biaxial cloth in epoxy. All ballast bolts are 1" fully threaded 316 stainless steel, cast in place in lead with lower ends welded together in casting.

Deck Construction

Sheer Clamp: Laminated of Alaskan Yellow Cedar, two layers 9/16", to finish 1 -1/8" sided and 3 1/2" molded.

Deck Beams: Laminated four layers 9/16" Alaskan Yellow Cedar, molded 2 1/4". Standard beams sided 1-1/8", heavy beams sided 1 3/4". Spacing about 14", as shown on plans.

Carlins: 3/4" x 2 1/2" Alaskan Yellow Cedar. Aft portion of cockpit carlins laminated of four layers of 5mm Okoume plywood laminated to the camber of the deck.

Sub Deck: 5mm okoume marine grade plywood, secured to beams with 3M 5200 and 1-1/4" #10 bronze wood screws. Joints scarfed.

Finish Deck: 3/8" quarter sawn teak, laid in narrow planks, sprung to follow sheer. Seams paid with TDS silicone rubber caulking. Wider margin planks and covering boards around perimeter, and king plank down centerline, all of quarter sawn teak. Finish deck bonded to sub deck with epoxy. A manufactured deck by Teak Deck System may be substituted for a hand-laid deck.

Deck Hatches: Flush hatches to foredeck locker and lazarette constructed of 3mm Okoume plywood bagged either side of 3/4" Corecell foam with Alaskan Yellow Cedar perimeter blocking. Flush dogs to secure hatches against watertight rubber gasketing. Gutters made using 1/8" G-10 square stock 1 1/4" wide screwed and glued to inboard edge of carlins, with 3/4" OD G-10 spigots for drains.

Traveler Structure: Traveler mounted on deck backed up with 3" x 3" FRP angel iron through bolted to deck beam.

Blocking: Reinforcement blocking beneath all heavily loaded hardware, of plywood or G-10 fiberglass plate, as indicated on plans.

Rudder Bearing Support: Plywood deck reinforcement, supplemented with solid wood wedge to allow a bottom-mounted flange bearing to be installed in a composite tube. Rudder bearing to be completely below deck to allow a flush cover plate to be fitted in the deck.

Cockpit: Sole of cored construction; 3mm Okoume plywood skins, 12mm CoreCell A-500 SAN foam core, 5/16" teak finish surface. Engine box opens for access to engine, and is watertight when dogged down. Cockpit sides of Okoume plywood, 9mm in forward portion, laminated of three layers 3mm in aft portion, sheathed in 10 oz. fiberglass cloth. Seat surfaces of 9mm Miranti plywood with 5/16" Sippo finish surface. Outer coamings of laminated Miranti plywood, veneered outside with 1/8" Sippo. Helm pedestal by Edson.

Cabin Trunk Construction

Companionway Slides: Solid Sippo, secured from beneath with #14 bronze screws.

Companionway Top: Made from offcut when companionway hatch is cut from cabin top, veneered with 1/8" Sippo. Edge banding and deck beams are solid Teak.

Cabin Trunk Sides: Laminated Sippo.

Cabin Trunk Front: 3 layers 4mm Okoume plywood laminated to 60" radius, sheathed with 1/8" Sippo veneer outside

Cabin Trunk Back: 12mm Miranti plywood with 1/8" Sippo veneer outside Sippo veneer inside

Cabin Top: 3mm Miranti plywood skins with a 1/2" foam core. Perimeter blocking is 1/2" Alaskan Yellow Cedar and 3mm plywood laminated to crown where required.

Deck Hardware and Features

Polished stainless steel anchor roller

Self-bailing anchor locker

Polished stainless steel dock line chocks port and starboard at bow, max beam and stern quarters

Polished stainless steel docking cleats at bow (2ea.) and stern (1ea.)

Polished stainless steel thru deck fittings / fills for fuel, water and waste

Polished stainless steel chainplates and chainplate covers

Large aft storage lazarette

Polished stainless steel Nicro Fico solar vent / fan

Polished stainless steel ensign staff socket

Fixed oval-shaped port lights in cabin sides (2ea. port and starboard)

Lewmar opening hatch with screen and blind in cabin top above head / forward cabin area.

Self-tacking jib sheet track on cabin top

Varnished Sippo handrails port and starboard on cabin top

Interior Accommodations

Spars and Rigging

Fractionally rigged sloop configuration

GMT Composites double-spreader, carbon fiber mast

Leisure-Furl aluminum, roller-furling boom

PBO standing rigging (shrouds and backstay)

Stainless steel rod standing rigging (headstay)

Modern yacht braid low/no stretch sheets and halyards

Mast step fabricated of 3/8" aluminum plate, incorporating turning blocks to lead Main halyard, self tending jib sheet, and two reef lines aft along underside of deck to the cockpit.

Sail Trim and Sail Handling Equipment

Mast Winch: Harken #35, 2-speed, self-tailing winch (1ea.) located on mast for single masthead spinnaker halyard and two fractional headsail halyards.

Antal rope clutches on mast above winch for control of spinnaker and headsail halyards

Sheet Winches: Harken Proforma, #46, 2-speed, self-tailing winches (2ea.) for genoa, jib & spinnaker sheeting located on cockpit coamings port and starboard

Halyard and Sail Control Winches: Harken #40, 2-speed, electric-powered, self-tailing winches (2ea.) for main sheet, self-tacking jib sheet, main halyard, roller-furling boom control line and roller-furling headstay control line located on winch islands in cockpit port and starboard. NOTE: New starboard winch and winch motor 2023

Antal rope clutches for control of main sheet, self-tacking jib sheet, main halyard, roller-furling boom control line and roller-furling headstay control line

Harken self-tacking jib track with jib sheet led aft to cockpit.

Harken jib tracks with adjustable cars.

Harken genoa tracks (inset into cockpit coamings) with adjustable cars.

Harken main sheet traveler with control lines led to cockpit.

Harken main sheet blocks with double ended mainsheet led to cockpit winches.

Harken spinnaker sheet blocks.

Sail Tec hydraulic pump for control of vang and backstay.

Sail Tec hydraulic rams for both vang and backstay.

Harken roller-furling headstay with furling line led aft under deck to cockpit.

Sails and Canvas

North roller-furling boom mainsail (New 2022)

North roller-furling, self-tacking jib (New 2022)

North Sails 150% genoa (2013)

North Sails A2 / Runner asymmetrical spinnaker (2013)

North Sails A3 / Reacher asymmetrical spinnaker (2015)

NOTE: Spinnakers have seen very little use / new condition

North roller-furling boom mainsail (New 2013)

North roller-furling, self-tacking jib (New 2013)

Steering wheel cover

Interior cushions

Electronics and Navigational Equipment

Ritchie Powerdamp helm compass

B&G Zeus Z28 chart plotter / radar display at helm

B&G ZG50 GPS / WASS sensor

B&G 4G broadband radar

B&G Triton T41 sailing instruments with three displays at mast

Simrad AP23 auto-pilot

Icom IC0M424 VHF radio

Icom Command Mic IV remote VHF at helm

Auxiliary Propulsion and Fuel Systems

Engine beds: flat and level bearing area provided on keelson for seal of Saildrive unit.

Main Engine: Yanmar 3YM30C-SD20 with saildrive

Reduction gear: Integral with engine.

Propeller: Flexofold 15" folding two-blade

Muffler: FRP water lift muffler: Centex #1500079

Exhaust Run: 2-1/2" rubber hose to exit through hull aft of cockpit at boot top. Through-hull fitting of FRP tubing glued into hull with slight lip.

Seawater strainer: Groco ARG-755-P

Engine controls: Single lever Edson

Engine panel: Yanmar engine

Diesel Tanks: 14 gallon tank fabricated of 1/8" aluminum located at aft end of settee on port side of salon.

Diesel Fill: One, of 1-1/2" USCG approved Fuel hose, type A1 or A2. Stainless fill plate at side deck, clearly labeled "Diesel." Plate and tank grounded as required.

Fuel filter: Racor Spin-on filter #120R-RAC-01.

Hoses: USCG approved for diesel.

Vents: Tank vent inside cockpit coaming box.

Valves: Stainless steel, shutoff at tank for supply line.

Gauges: Electronic sender included in tank. Gauge in electrical panel: VDO #91761

Steering System and Equipment

Brooklin Boat Yard signature varnished Sippo steering wheel

Edson steering pedestal

Edson cable and quadrant steering gear

Carbon fiber and foam composite rudder and rudder shaft

Jeffa self-aligning rudder bearings

Simrad AP23 autopilot

Electrical System

12-Volt Dc ship's electrical system

Separate battery banks for engine start and lighting systems

Engine Start: AGM series 24 (1ea.)

Lighting: AGM 4-D (2ea)

Custom electrical panel with master switches for battery banks and individual circuits for all ships electrical functions

Battery charging by engine alternator

Plumbing and Sanitation Systems

Hot and cold pressure water system

14 Gallon freshwater capacity

Engine supplied hot water

Webasto hot water storage tank

Jabsco pressure water pump

Jabsco pressure accumulator tank

Cockpit shower with hot and cold pressure water

Sink basin with hot and cold pressure water in head / forward cabin area

Dometic electric head

Head plumbed for discharge either overboard or to holding tank

Deck fitting for shoreside holding tank pump out.

9 Gallon black water capacity / holding tank

Ground Tackle

Delta 22 lb. anchor with appropriate chain and rode

Lewmar low-profile electric windlass with remote hand-held control and fixed control at helm

Dewatering Equipment

Rule 800 GPH Electric / Automatic Bilge Pump

Whale Gusher Manual Bilge Pump

Thirsty Mate Hand-held Bilge Pump

Safety Equipment

Type II PFD's (7ea.)

Type III PFD's (2ea.)

Type IV PFD (1ea. / Horse Shoe Buoy)

Type V PFD's (2ea. / Inflatable Belt), (2ea. Inflatable Harness)

Safety Tether, Adult, Static (2ea.)

Safety Tether, Adult, Elastic (3ea.)

SOSpenders Inflatable Harness, Adult (2ea.)

Safety Harness, Child (1ea.)

Safety Tether, Child, Static (1ea.)

Pet PFD's (3ea.)

Fire Extinguishers (3ea)

Flares

Air Horns (2ea.)

Davis Radar Reflector

Plastimo Safety Ladder

Masthead tri-color navigation light

Additional Equipment

Cockpit Table

Bosun's Chair

Climbing Harness

Companionway Screen

Varnished ensign staff and ensign













