

ENDEAVOUR

52

HULL CONSTRUCTION

All Endeavours come with a ten year warranty covering the structural integrity of the hulls which are manufactured to standards approved for ABS certification.

Hull fabrication entails a one piece structural fiberglass laminate which is entirely hand laminated. Hull construction consists of a polyester exterior gelcoat with skin laminate consisting of 1.5oz mat and vinylester resin for maximum resistance to moisture penetration. Optimum strength to weight ratios are achieved in the structural lamination by use of knitted (not woven) biaxial fiberglass fabrics oriented at 0-90 degrees and +/- 45 degrees in isophthalic polyester resin. This results in maximum strength while offering additional resistance to moisture penetration. Airex™ foam core is utilized in all hull topsides and transoms for maximum panel stiffness with superior thermal and acoustic insulation. Core materials are structurally bonded within the fiberglass laminate by use of a core bond paste adhesive and are vacuum bagged for good compaction ensuring superior bond integrity. All hulls are solid laminate below the waterlines.

Custom cast lead bolt on wing keel attached to keel sump with thirteen 1-1/4" machine bolts and 3M-5200 sealant.

All bulkheads are glassed to the hull using 45 degree biaxial fiberglass fabric to gain maximum strength from fiber orientation.

Massive stainless steel chainplate is connected to the hull with solid fiberglass structural knee for optimum load distribution.

Integrally molded internal hull flange offers additional hull stiffness and strength in the hull to deck assembly.

Deck is mechanically fastened to hull flange on six inch centers. Water tight integrity is assured by assembling the hull/deck joint with 3M-5200 as a bedding for the deck and aluminum toe rail.

Crystic Copper Clad® permanent antifouling, applied in the mold during fabrication of the hull, is optionally available.

DECK CONSTRUCTION

Deck fabrication entails a one piece structural fiberglass laminate which is entirely hand laminated. Optimum strength to weight ratios are achieved within the fiberglass structural laminate by the use of biaxial fiberglass fabrics oriented at 0-90 degrees and +/- 45 degrees in isophthalic polyester resin. Horizontal surfaces utilize a Divinacell™ foam core which has been selected for maximum stiffness and resistance to heat. A solid fiberglass laminate exists wherever compression strength is needed for the through bolting of deck hardware and to ensure that deck core materials are fully encapsulated to eliminate the possibility of water absorption by the core.

Wood is not utilized anywhere as a core material in the fabrication of any hull or deck, ensuring structural integrity and the prevention of core rot.

MACHINERY

Engine access is provided by engine room door and full face access panels in galley and amidships stateroom.

One piece heavy wall fiberglass engine bed with steel plates laminated in mounting surface to receive engine shock mounts.

Fresh water cooled 88 hp diesel engine with marine reduction gear.

80 amp alternator.

Engine drip pan provided.

In line Racor fuel filter/water separator for engine.

High volume, damage control, bilge pump out system utilizing main engine water pump.

Oil change pump out system.

"See-thru" sea water strainers for engine.

1 1/2" stainless steel propeller shafting with positive key ways at both ends.

Insulated machinery space.

Three blade bronze propeller.

Stainless steel strut.

Hour meter for engine.

285 gallon approx. baffled, aluminum fuel tank with electric gauges.

Balanced fiberglass rudder is steel reinforced with solid stainless steel rudder post, skeg hung with stainless steel gudgeon.

Cockpit mounted instrument panel with tachometer and engine status gauges.

Stainless steel destroyer type wheel.

Compass with chrome binnacle.

Single lever engine controls, pedestal mounted.

Pedestal guard and cockpit safety grip rail.

Pedestal brake.

Electric engine stop.

Alarm system for engine oil pressure, and temperature.

Halon fire control system with automatic sensor in machinery space.

Machinery space blower.

SPARS, RIGGING and SAILS

Custom aluminum mast with double swept back spreaders and internal halyards.

Custom aluminum boom with internal outhaul and two reefs.

Mast and boom polyurethane coated.

Jib furling gear.

Stainless steel standing rigging.

Low stretch halyards for main and genoa.

Inboard genoa tracks.

Genoa turning blocks.

Two Barient #32 self tailing genoa sheet winches.

Barient #24 self-tailing jib halyard winch.

Barient #17 self-tailing outhaul winch.

Main and jib sheets of pre-stretched jacketed yacht braid.

Two folding mast steps.

Adjustable topping lift for main boom (plastic coated).

Main sheet, main halyard and 4:1 boom vang led to Barient #27 self-tailing winch in cockpit.

110% genoa, mainsail, two reefs and main cover provided.

ELECTRICAL SYSTEM

Custom electric control panel with circuit breakers for 12 volt and 110 volt system includes digital AC and DC volt and amp meters. Four position battery switch. LED fuel and water gauges. Digital frequency meter.

House battery capacity, 400 total amps. One isolated engine start battery.

All batteries located in central location with accommodations to place up to a total of 800 amps of battery capacity on board.

Mast and rigging electrically grounded.

60 amp 12 volt converter/battery charger.

Navigation lights

Combination steaming/deck light

Machinery space light.

Interior lights, direct and indirect.

110 volt duplex receptacles in all cabins.

Flexible night light over navigation station.

Courtesy lighting throughout.

Courtesy light switch at companionway. activates companionway ladder lighting, interior light switch locations and electrical panel legends.

220 volt/50 amp ship to shore power cord with 30 amp splitter.

PLUMBING

All thru hull fittings and seacocks below waterline are fiberglass reinforced (noncorrosive) Marelon®.

Hot and cold pressure water system with hot water heat exchanger on engine.

All fitting & piping are polybutylene.

Manual bilge pump, cockpit mounted.

Two 12 volt electric automatic bilge pumps.

Double stainless steel clamps on all hose connections below water line.

280 gallon (approx.) fresh water capacity in two baffled, aluminum tanks with electric gauges. Located near the "center of gravity".

All sinks drain overboard, showers refrigeration, and air conditioning drain directly into a sealed grey water sump which pumps directly overboard.

Two 15 gallon holding tanks with "Y" valves and macerator pump out system.

DECK HARDWARE

Self supporting locking hatches with integral screen and blind assemblies in headliner, provides light and ventilation to accommodations below.

Stainless steel handrails.

Intake and exhaust solar powered ventilation.

Separate vented propane lockers port and starboard.

Stainless steel opening ports.

Low maintenance aluminum toe rail.

Low maintenance rub rail with stainless steel striker.

Welded 1-1/8" diameter stainless steel bow pulpit and stern pulpit.

Integral fiberglass seats built into stern pulpit.

Double vinyl covered lifelines and welded stainless steel stanchions. Stanchion bases equipped with welded bails. Integral stainless steel fender rails amidships.

Lifeline gates port and starboard.

Molded swim platform has a drop down stainless steel ladder for easy boarding.

Hot and cold shower at swim platform.

Custom cushioned backrest at helm.

Stainless steel stem headstay fitting.

Massive stainless steel stem head has integrated dual anchor rollers with breast plate protection for stem head anchor stowage.

Chain locker divided, self-draining.

Bow, stern, and spring line stainless steel cleats. All through-bolted.

Lazarette bins, port and starboard with overboard drain.

Companion way doors with removable hinges and integral key locks.

Emergency tiller.

INTERIOR

The Endeavour 52's interior has been designed and built to reflect the warmth

radiated by the lines and furniture construction of the traditional American boat builder. The clean modern lines, coupled with solid teak moldings gives the interior the feeling of being aboard one of the worlds most modern luxurious sailing yachts.

All staterooms are carpeted. Passageway and salon have teak and holly sole. Galley and heads have 4"x4" ceramic tile soles.

Main salon and staterooms have modern composite counter tops.

All hanging lockers are cedar lined with interior lights.

Custom padded vinyl headliner throughout.

The two heads and galley cabinetry, while modern in design by the use of easily washable high pressure decorative laminates, which blend smoothly with the aura of the entire ships furniture design.

All counter tops in galley and heads finished with modern composite.

MAIN SALON

Radiused U-shaped settee with custom dining table and storage to starboard.

Twin level book stowage shelves are located port and starboard above settee.

Radiused settee to port.

Lockers and shelves over settees port and starboard.

Upholstered, 5" cushions.

Bar with wine rack, liquor locker and glassware locker to port.

Space for an entertainment center (optional T.V., stereo and VCR).

NAVIGATION AND COMMUNICATION CENTER

The navigation center includes a storage chart table to accept a folded NOAA chart (27" x 36"), a red goose neck navigational light. Space for additional electronics and electrical panel provided.

MIDSHIP STATEROOM

(Aft starboard side)

Choice of utility room with space for washer/dryer and work bench.

OR

Optional captains cabin with double bunks and storage space.

PASSAGEWAY (Walk-Through)

Full 6'4" Headroom.

Galley outboard.

Engine room door inboard with galley counter top space.

GALLEY

An "offshore passage" galley positioned port side amidships. Decorative laminate cabinet fronts, large locker space over and under.

Large, 8 cubic ft. insulated, front loading refrigerator and 4 cubic ft. top loading insulated freezer, includes Adler Barbour refrigerator system with sliding storage bins.

Auxiliary fresh water foot pump.

Polished stainless steel double sink.

Single lever hot and cold mixer tap supplemented with an auxiliary manual fresh water pump and spigot.

Gimballed three burner stainless steel propane stove. Safety bar provides protection for cooking while underway.

Custom exhaust ventilation system over stove and oven.

Large trash bin built into cabinet.

AFT STATEROOM

The master stateroom includes a large queen-size berth with easy access from both sides. A large full length hanging locker with adequate storage space for two persons. Drawer storage underneath.

AFT STATEROOM HEAD

Includes large separate shower stall with integral door, oval sink, vanity and mirror.

FORWARD STATEROOM

Provides equal accommodation with centerline queen-size berth, large hanging locker space and settee. Private access to forward head.

FORWARD STATEROOM HEAD

Includes large separate shower stall with integral door, oval sink, vanity and mirror. This large head allows guests' to enter the space with privacy.

FORWARD WALK-WAY

Dual hanging lockers.

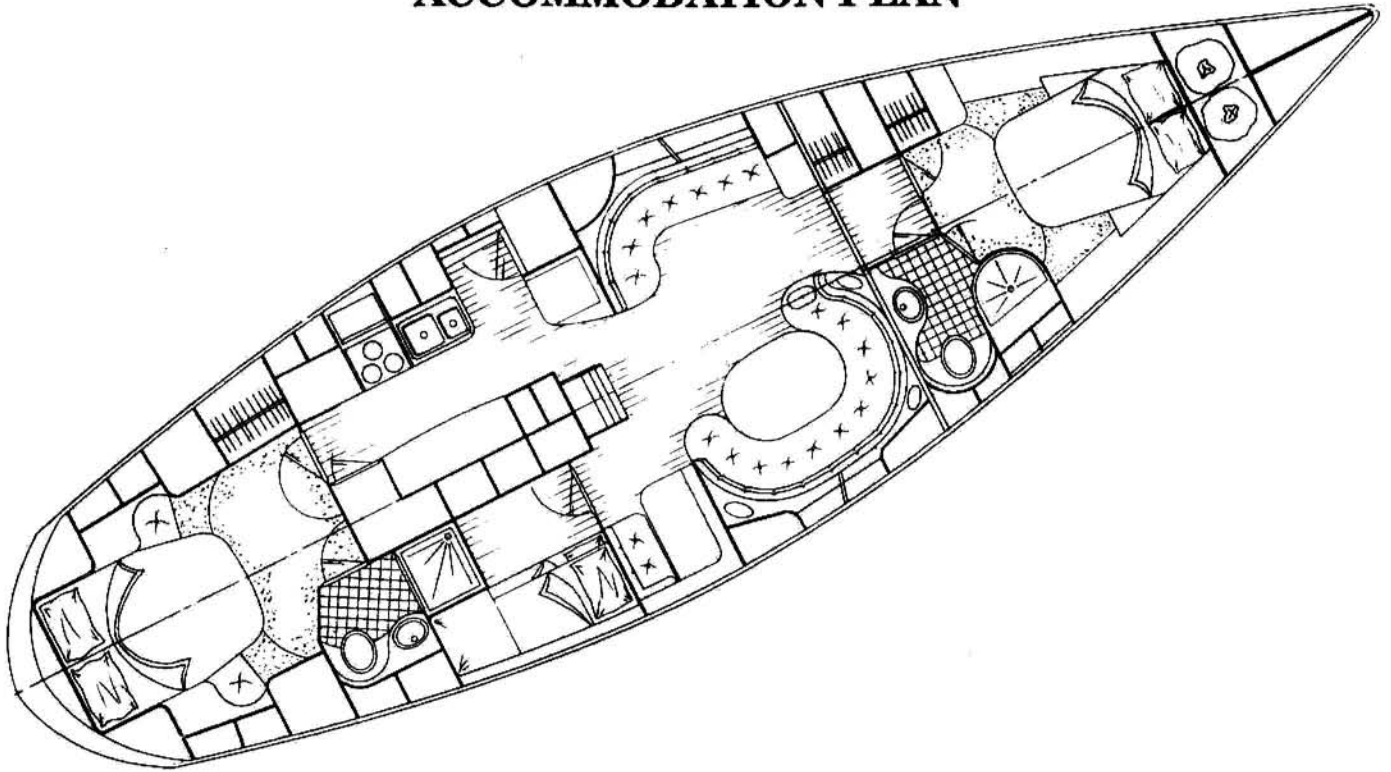
OR

Optional washer / dryer.

BASE PRICE: _____

ENDEAVOUR 52

ACCOMMODATION PLAN



SPECIFICATIONS

DESIGNER	ENDEAVOUR DESIGN TEAM	SAIL AREA	1,110 sq. ft.
LOA	52'4"	HEADROOM	7'0"
LWL	42'3"	I	59'5"
BEAM	15'0"	J	21'7"
DRAFT	Wing 5'6"	P	52'0"
DISPLACEMENT	approx. 35,000 lbs.	E	18'0"
BALLAST	14,500 lbs.	MAST HEIGHT ABOVE D.W.L.	66'5"
DIESEL	88 hp diesel		

Note: These specifications are believed to be correct at the time of printing. For the sake of continuous improvement, the builder reserves the right to make alterations without obligation, as considered desirable. No such alterations, however, will be considered retroactive for yachts already delivered or under construction. Draft and displacement stated above vary with load condition.

A STATEMENT OF EXCELLENCE IN PERFORMANCE CRUISERS

The quality features that defines an Endeavour represent an uninterrupted sequence of evolutionary developments and innovative designs that have been nourished by engineering ingenuity and state-of-the-art high-tech construction methods.

Every Endeavour yacht is truly a statement of excellence in performance cruising.

YOUR ENDEAVOUR DEALER:



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