



BABA 30

Designer's Comments

Thirty feet seems to be the "magic" length. Anything shorter than 30' is too small for a long distance cruiser, unless you are willing to make some serious compromises in your comfort. At thirty feet the designer can do a rather workable galley, at least four full length berths and an enclosed head. The one real danger, for the designer, at this length is that there may be a tendency to make the yacht too light. The "average" cruiser/racer at about thirty feet weighs in today at around 7,000 lbs. This is fine for short weekend trips and daysailing, but relating this displacement to an accompanying volume of available interior space you will find that the light yacht is seriously short of stowage space. The law of mechanical similitude says that the displacement or volume of a yacht varies as the cube of the waterline. In simpler terms, this means that the available stowage and tank space decreases rapidly as the waterline length of the yacht decreases. I chose to design a rather beamy double ender with the healthy displacement to length ratio of 379. This afforded me the interior volume to do a very comfortable layout.

I see it as a personal challenge to take a type of yacht, in this case a relatively heavy, traditional double ender, and work with the hull lines to bring every tenth of a knot in speed out of the design that I can. I simply do not resign myself to "It's a traditional design. It will be slow." I have given the BABA 30 an easily driven hull with a prismatic coefficient of .50. This should help take care of the performance in light air. The hull has considerable flair to the topsides to enhance stability and also provide a dry ride to weather. The run of the buttocks is considerably more flat than the traditional "Colin Archer" type. This should eliminate the annoying hobbyhorseing tendencies of that type and also improve speed. I have carved away the garboard area, as I have before in this type of design, in an effort to maximize the available keel "fin" for a given amount of overall draft. This feature helps eliminate useless added displacement in the garboards where it is very hard to efficiently use and it also improves the stability curve of the yacht. The BABA 30 is the fifth design of this general type that I have done, in the last three years, and I feel it is a refinement of the general model.

ROBERT PERRY
Yacht Designer



Features & Equipment

Moulded fiberglass hull, deck & cabin. Hand laminated of mat and roving to meet or exceed Lloyd's specifications

Choice of two interior layouts

Teak decks, thiakol secured

Full set of working sails

Mainsail cover

Teakwood blocks for rigging

6 Barlow winches

Volvo or Pisces Diesel engine

Full length teak bulwark

Teak main cabin skylight

Teak cockpit grates

Teak bowsprit platform

Double anchor rollers

Lavish teak interior

80 Gallon SS fresh water tank

35 Gallon black iron fuel tank

Teak pinrails P&S

10 Bronze opening ports

2 dorade vents w/teak boxes

Double lifelines w/P&S gates

Double SS bow & stern pulpits

Teak & holly cabin sole

Electric & manual bilge pumps

120AH Marine battery

110V & 12V electrical systems

Spreader lights

Teak dinette & chart tables

Choice of spruce or aluminum spars

Hardwood galley counters

Bronze lever action seacock

Electrical bonding

6 Mooring chocks & 10" cleats

Bronze vent over galley

Laminated overhead beams in cabin

4" foam cushions w/vinyl covers

SS lined stove area w/asbestos liner

Waste retention system

Insulated lining in lockers

Laminated tiller

Boat hook

Teak hatch on cabin top forward

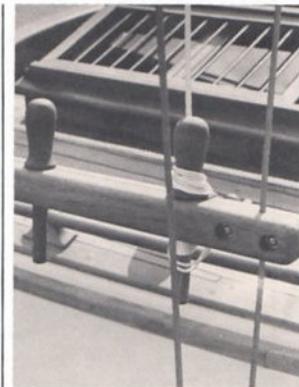
Navigation lights

SS sinks in galley & head

Manual FW pumps in galley & head

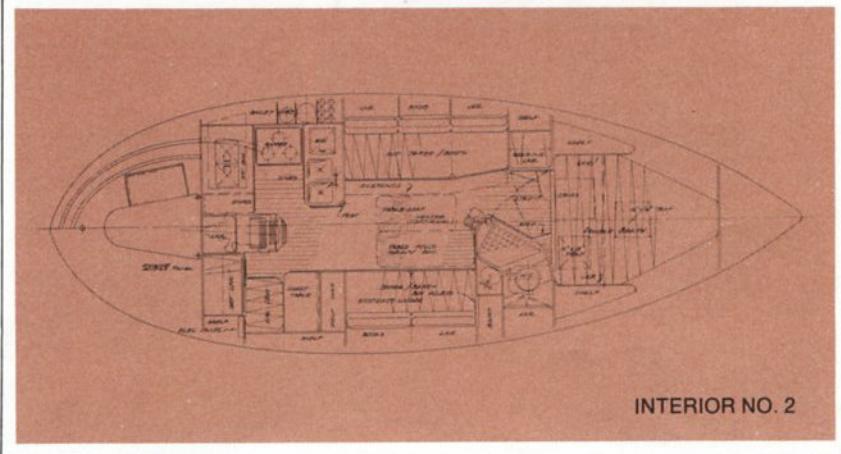
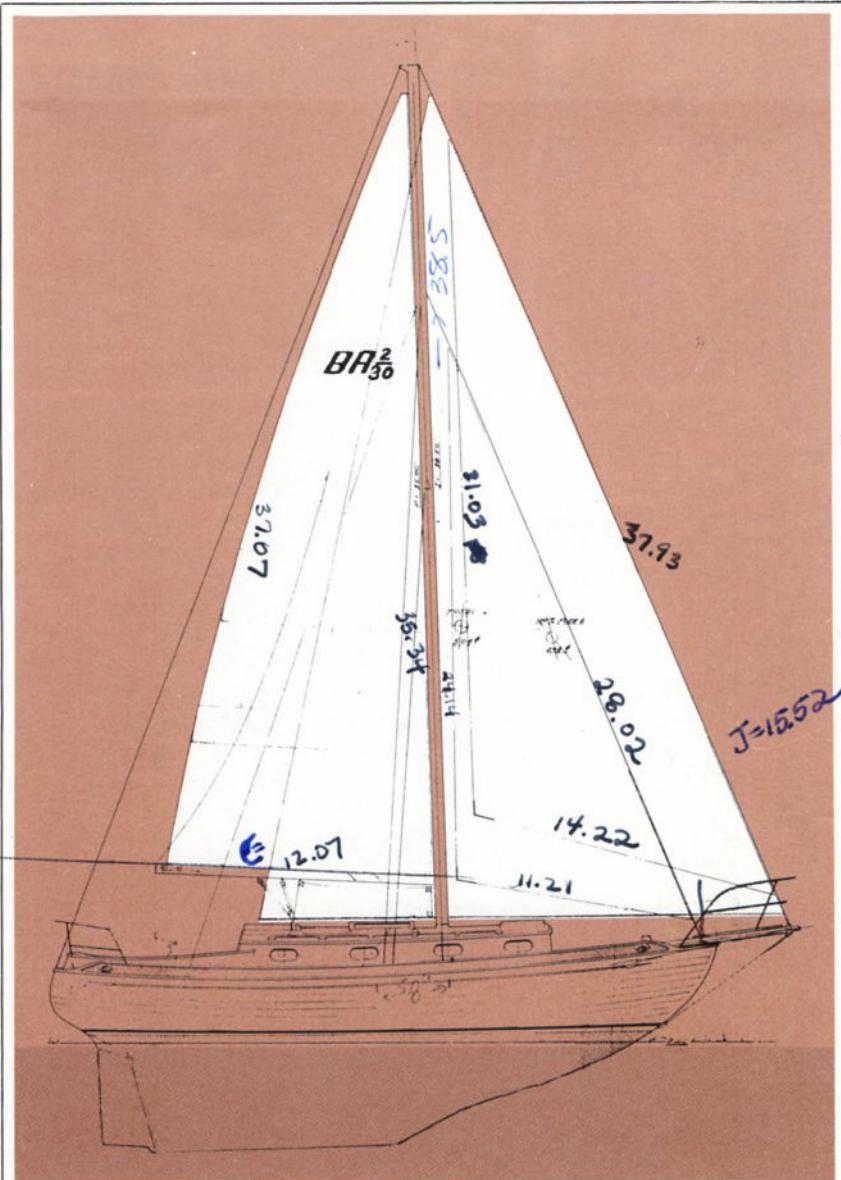
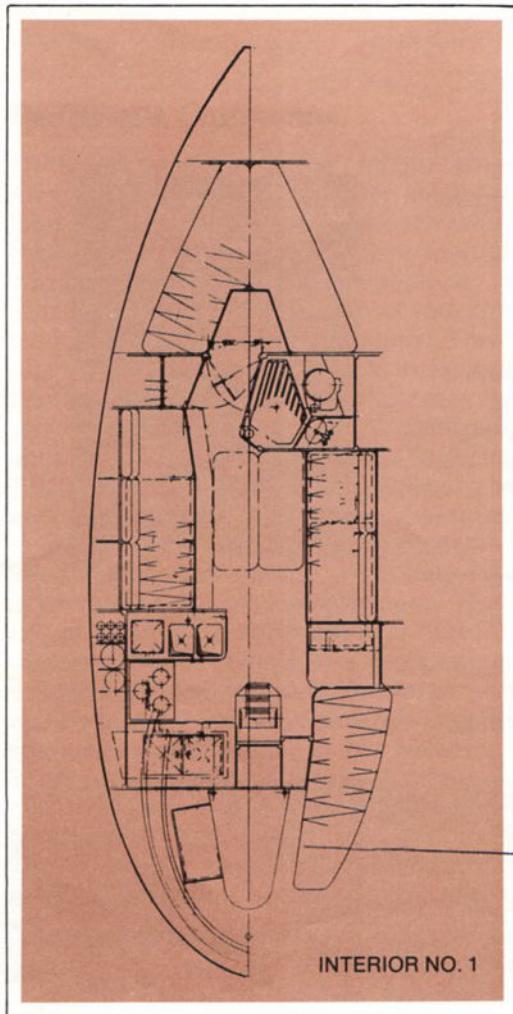
Teak handrails on cabin top

Raw water strainer on engine intake



Specifications

LOA	29'9"
Beam	10'3"
Draft	4'9"
Sail Area	504 Sq Ft
LWL	24'6"
Displacement	12,500 Lb
Ballast	5,000 Lb



Optional Equipment List

Teak overlay on the cabin top (exterior or interior)
 Teak overlay on cockpit well sides and inside cockpit coaming
 Teak overlay on the cabin sides (exterior or interior)
 Fiberglass shower sump tank, with 12 volt pump
 Extra 120A/H battery with fiberglass box, installed
 Screens for all opening ports (each)
 Teak boarding ladder
 Pedestal wheel steering in lieu of tiller steering
 Pressure water system with hot and cold water
 Stainless steel pedestal guard
 Cockpit cushions, 3" thick, vinyl covered
 Boat's name carved in bulwark
 Salt water hand pump in galley
 Colored hull in lieu of white hull
 Extra dorade vents with a teak box (each)
 Quarterberth in lieu of wet locker
 in double berth interior

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