

SABRE 456 SPECIFICATION

2013 MODEL YEAR

L.O.A.....	45' 6"/13.87M
L.W.L.....	38' 4"/11.68M
Beam.....	14' 1"/4.29M
Draft:	5'6"/1.72M
Displacement (lbs.): Light ship	27,150 lbs/11.96T
Ballast (lbs.):	10,850 lbs/4.93M
Rig Dimensions:	
P	52.6/16.03M
E.....	19.2/5.84M
I	59.6/18.14M
J	17.7/5.40M
Total Sail Area (sq. ft/M)	1043/96.89
Spinnaker Area (sq. ft/M)	1899/19.81
Main Halyard/Reef Electric winch Harken.....	46.2 STC12H
Jib Halyard and mainsheet winch Harken	46.2 STC
Primary winches Harken.....	60.2 STC
Cockpit Length.....	8' 6"/2.59M
Headroom.....	6' 6"/1.98M
Water Tanks -3 (Total gals/L.)	200/750L
Holding Tanks-2 (gals/L)	45/206L
Batteries (No. @ Amp Hrs.).....	3 @210 Amp, 1@105 Amp
Berths (No. @ Sizes)	7 @ 6' 8" /2.03M
Hatches.....	11
Chrome Dorades	2
Opening Ports	12
Destroyer Wheel (Diameter)	48"/1.22M
Auxiliary Engine Yanmar 4 Cyl	75 Hp
Fuel Tank (gals/L)	100/375
Theoretical Hull Speeds (Knots)	8.2
PHRF Rating (Average)	42
Most Height Above W.L. (excl masthead lighting). 64.0'/19.51M	

HULL

- Resin infused Airex closed cell PVC foam cored, fiberglass of alternate layers of mat knitted biaxial roving.
- Isophthalic NPG gelcoat.
- Below waterline chopped strand glass and vinylester resin as a back up for ISO NPG gelcoat.
- Internal deck to hull joint.
- LP painted Boot stripe.
- Bulkheads, berth faces, shelves and floor stringers laminated to hull providing integral, structural strength.
- Step transom

DECK

- Single unit, vacuum bagged with Airex core for and HD core in high stress areas.
- Deck bonded to hull using stainless steel thru-bolts every 8" (4" in way of the genoa tracks), with aircraft style locknuts .
- Polyurethane sealant used in the hull/deck joint.

STEERING SYSTEM

- Edson wheel steering with 48" Five spoke, Comfort Grip Destroyer wheel, guard and brake.
- 5" Ritchie compass mounted in stainless steel binnacle.
- Emergency tiller stored in cockpit locker.
- Balanced rudder is molded fiberglass bonded to a carbon fiber rudder stock

COCKPIT

- One deep storage locker to port
- Two lazarette lockers.

- Cockpit locker to starboard with Lewmar hatch to aft cabin.
- Winch handle pockets in coamings.
- Solid teak cup holder on pedestal.
- Two cockpit scuppers to sea valves.
- Stove fuel storage locker in port side deck.
- Transom boarding ladder with teak treads.

CHAINPLATES

- Stainless steel, thru-bolted to chainplate bulkheads bonded to the hull. Grounded to the keel and mounted well inboard for optimum sheeting angles.

AUXILIARY ENGINE

- Yanmar 75hp 4JH-TCE 4 cylinder. fresh water cooled, turbocharged diesel with sail drive and folding propeller
- 12-volt 120 amp Balmar alternator for ship's batteries.
- 100 (approx) gallon custom aluminum fuel tank, deck filled, shut-off valve, vented and grounded.
- Racor fuel filter/water separator.
- Raw water intake strainer with wrench.
- Engine oil drip pan.
- Flexible four point engine mounts minimize vibration and noise.
- Engine compartment exhaust blower.
- Engine compartment light.
- Engine access provided by sound and heat insulated removable panels.
- Tachometer , hour meter, volt, oil, fuel level, and temperature gauges recessed in cockpit face.

KEEL

- A modern section keel cast in lead with antimony added for strength.
- Thru-bolted to a reinforced keel sump with stainless steel bolts and bronze nuts.

MAST and BOOM

- One piece aluminum, keel stepped mast with triple airfoil spreaders, masthead rig with white LP finish.
- Masthead w/2 forward halyard sheaves + spinnaker crane
- Internal main and genoa halyards.
- Selden Vang led aft.
- Spare halyard exits.
- Pre-wired with VHF radio cable.
- Internal clew outhaul led aft
- External boom topping lift.
- Two sets of internal single line reefing led aft

ELECTRICAL SYSTEM

- Three 4D 12-volt deep cycle marine service batteries @210AH ea
- One 105AH dedicated engine start battery.
- Twin 30A-110 Volt shore power system ELCI whole boat protected includes (2) 50 foot shore power cords
- Macerator pumps on both heads
- 2000 watt Inverter/battery charger
- Microwave oven in galley
- TV in main salon
- LED overhead lighting throughout
- Cabin courtesy lights

- All wiring is tinned, color coded, numbered and meets USCG regulations
- Master AC/DC panels with volt and ammeters, marine circuit breakers and polarity indicator

DECK HARDWARE

- 12 Volt windlass. Rope/chain gipsy
- Inboard genoa tracks aluminum T 1 1/4" x 3/16" x 12'
- Inboard tracks are recessed into the deck tooling.
- (2) Stainless steel cowl vents protected by stainless grab rails.
- Stainless steel companionway handrail..
- Inboard tracks supplied with sheet lead blocks.
- Main sheet led to ball bearing cabin top traveller, and aft to a two-speed self -tailing winch.
- Custom mast collar with provision for halyard and turning block attachments.
- Two 12" 4-bolt cleats forward, mid deck and aft.
- Self-draining foredeck, divided anchor locker with drain and stainless pad eyes to secure end of anchor rodes.
- Two recessed deck scuppers.
- Stainless steel mid-rail and aft corner chocks.
- Stanchions are 30" high
- Pulpit, stern rail and stanchions are custom fabricated of stainless steel thru-bolted with aluminum backing plates. Top rails are 1.25" diameter. Lower rails are 1"
- Double lifelines stainless steel cable with port and starboard boarding gates with braced stanchions.
- Lifeline terminals and turnbuckles are swaged stainless steel.
- Stainless steel handrails and teak toe rails.
- Main and genoa halyards led aft.
- (2) Wichard fold-down pad eyes in cockpit for attachment of customer supplied safety harnesses

WINCHES

- Main halyard winch is Electric Harken 46.2 STEC12H
- Harken 46.2 STC two speed winch for main sheet, outhaul, genoa halyard and reefing
- (2) Harken 60.2 STC self-tailing two speed primaries.
- Three 10" chrome winch handles

STANDING RIGGING

- Headstay; Wire 1 x 19. (Navtec Rod Optional.)
- Backstay, upper shrouds, intermediate D2 and D3 and lowers are all Navtec Nitronic 50 Alpha Rod.
- Spreader and turnbuckle boots, shroud covers
- Navtec Hydraulic backstay adjuster

RUNNING RIGGING

- All lines color coded
- Main halyard with headboard shackle.
- Genoa halyard with snap shackle
- Polyester double braid main sheet.
- Polyester double braid genoa sheets.
- Traveler control lines.
- Single line reefing lines.

ACCOMMODATIONS

- Polished SS double galley sink.
- AC/DC Indel Isotherm drawer type refrigerator with two drawers in galley and top loading DC freezer in sail locker
- 6'6" headroom in main and aft areas, with 6'4" headroom in forward sections.
- Forward cabin has a 6'8" Island berth
- Main cabin has two settee berths; port berth converts to a double. Berths are 6'8" long.
- Aft-cabin with 6'8" full width double berth.

- Storage in aft-cabin settee.
- Lockers and shelves in aft-cabin for storage.
- Large cedar lined hanging lockers in fore and aft cabins.
- Optimized area for instrument installation, storage locker space and panel arrangement at the chart table.
- Main cabin berth back lockers with louvered doors.
- Two heads with showers.
- Forward head has stall shower and ceramic tiled sole
- Thick foam cushions covered with a durable fabric, zippered for ease of removal and cleaning.
- Quiet Flush MSDs fresh water fed
- Lights in cedar lined hanging lockers.

VENTILATION AND LIGHT

- (11) Deck hatches with interior trim and provision for screens.
- Main cabin recessed fixed port lights of Marguard Lexan.
- (2) stainless steel dorade cowl vents.
- (2) opening ports in the aft-cabin with screens.
- Custom stainless steel opening ports in main and forward cabins with screens.
- Acrylic sliding companionway hatch w/frp spray hood and solid teak hatch boards and screens.
- Hatch boards have positive locking mechanism for use when sailing offshore.
- Screened hatch boards.

SABRE 456 FEATURES

- Convenience Tool kit.
- Cockpit locker and engine compartment lights.
- Flush thru-hulls with Marelon seavalves.
- Force 10 3 burner propane stove with oven.
- Varnished cherry interior finish.
- Automatic electric bilge pump with high water alarm
- Manual, cockpit mounted bilge pump.
- Laminated trim on shelving and berth tops.
- Cherry hull ceilings.

Built to NMMA, ABYC, USCG and CE category A standards
Designed by Jim Taylor and the Sabre Design Team. All specifications are approximate and subject to change without notice. May vary from dealer inventory due to changes made in Sabre Model Year Improvement Program.

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