



FREEDOM 33 MK II SPECIFICATIONS

LOA	33' 0"	Sail Area-Main	324 sq. ft. <i>(T.R. 402 sq. ft.)</i>
LWL	30' 0"	Mizzen	192 sq. ft. <i>(T.R. 218 sq. ft.)</i>
Beam	11' 0"	Total	516 sq. ft. <i>(T.R. 620 sq. ft.)</i>
Draft-Board up	3' 6"	Headroom	6' 1"
Board down	6' 0"		
Draft-fixed keel	4' 6"	Tankage-Water	83 gals.
deep keel	5' 6"	Fuel	25 gals.
<i>Tall Rig deep keel</i>	<i>6' 3"</i>		
Displacement	12,000 lbs.	Hot Water	6 gals.
Lead Ballast	3,800 Lbs.	Waste	10 gals.
Engine	Yanmar 3GM 22.5 H.P. Diesel		<i>(Italics - owner added)</i>

The Freedom 33 is available as a centerboard, shoal or deep fixed keel, cat ketch with wishbone booms and wraparound sails. She is a J. Paris design commissioned by Garry Hoyt.

HULL

Gelcoat finished, hand laminated fiberglass with Contourkore[®] reinforcement. Laminate is engineered to provide high strength in critical areas. The core adds strength without undue weight and thermal and acoustical insulation. The laminate has a minimum modulus of 1.0×10^6 and a minimum tensile strength of 12,000 lbs. per square inch.

DECK

A similar hand laminated, cored, fiberglass construction is used in the deck. Heavy reinforcing is built in for deck hardware. Molded in nonskid areas are available in several colors. Custom teak decks are available as an option. The cockpit is integral with the deck and is provided with a large scupper draining through the transom.

SPECIFIC SPECIFICATIONS, OPTIONS, AND PRICES SUBJECT TO CHANGE WITHOUT NOTICE

33-S1-1/82

BEND BOAT BASIN, MELVILLE, R.I. 02840 / TEL. (401) 683-3503

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SAIL CONTROL

A Barient #23 self-tailing winch controls the main and mizzen halyards and outhauls. Each line passes through a sheet stopper. Hangers are provided for all tails. A Barient #23 self-tailing winch raises the centerboard reefs both sails, and controls the main sheet. The main and mizzen sheets have a 4:1 tackle with cam cleat, mounted on the cabin top for the main and on the traveller for the mizzen.

TOE RAIL

Full length custom slotted aluminum extrusion. The toe rail and deck flange are thru-bolted to the hull flange using 5/16" stainless steel bolts at 4" intervals. The deck is further bonded to the hull using 3M #5200 flexible sealant.

VENTILATION

Overhead hatches are provided for the fore cabin (20" X 20"), the main cabin (24" X 24"), the galley (16" X 16"), and the head (9" X 9"). Nine, 5" X 12", screened, opening ports, provide additional ventilation and light.

BLOCKS, FITTINGS, RUNNING RIGGING

Blocks and fittings are predominately Schaefer, Nicro-Fico, and Harken. Running rigging includes halyards, sheets, outhauls and reef lines for main and mizzen.

MOORING CLEATS AND CHOCKS

10" forward and 8" midship cleats with chocks fitted into toe rail. 8" mooring cleats aft.

PROPANE TANKS

Two 8 lb. capacity tanks are located in a vented compartment built into transom.

COMPANIONWAY HATCH

Formed translucent hatch slides into a fiberglass sea hood with water channels for drainage.

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LIFELINES AND PULPITS

Stainless steel bow and stern pulpits with double lifelines run through 24" high stainless steel stanchions.

BOARDING GATE

Starboard gate with pelican hook and braced stanchions are standard.

SPARS

Carbon fiber one piece construction, with patented rotating masthead for free setting of the sails. Height is 41' tapered from 8-3/4" diameter at base to 4" diameter at the top. Wishbone booms are fabricated of aluminum and are fitted with outhaul, and all necessary reefing hardware.

STEERING GEAR

Edson pedestal steering with 32" wheel drives bronze rudder quadrant. Steering cables are readily accessible under teak grating in cockpit. Ritchie SP-5 binnacle compass is mounted on the pedestal and comes with a cover. A pedestal brake is provided. The emergency tiller fits the rudder head and stows in the cockpit locker for ready access.

INTERIOR

Joinery of ash and oak colored woods is custom formed to graceful curves throughout. Cabin sole is teak and holly. Satin varnish finish is standard. Overheads are white, foam backed vinyl. Hull ceilings are finished with cedar battens.

FORECABIN

6'7" long V-berths with insert and cushion. Stowage shelves are provided above each berth and storage lockers below. Hanging lockers are fitted with rattan fronts for ventilation.

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Head

Raritan Marine Toilet with overboard bypass for use offshore, is plumbed to a 10 gallon holding tank. A 14" diameter stainless steel sink drains overboard via a thru hull located well inboard to prevent flooding when heeled. Telephone type shower, teak grate and separate sump with electric pump are standard. Ventilation is through porthole and deck hatch.

Main Cabin

To port is a 6'7" long "L" shaped dinette which may be converted to a double berth. Storage lockers are provided outboard to starboard with open storage and adjustable combination lock or spirits container to port. To starboard is a 7' long settee which converts to a single berth. Handrails are installed full length, on both sides of the main cabin for ease of movement while under way. A center island, which houses the trunk in the centerboard model, provides extra counter surface.

Navigation

Chart table measures 40" X 32", with chart storage under. Outboard of table are double shelves for instruments and reference books. Navigator's seat is at the forward end of a 6'5" long quarter berth.

Galley

10' deep stainless steel sink with pressure hot and cold water and manual back up pump. Three burner LPG stainless steel gimbaled stove with oven. Safety bar mounted inboard of stove. The 7 cu. ft. ice box has an acrylic sliding shelf. Adjacent to sink is a 3 cu. ft. dry storage bin. Lockers with sliding doors run the full length of the galley.

MECHANICAL AND ELECTRICAL

Engine

A Yanmar 22.5 hp. three cylinder diesel drives a 16" X 9" RH two blade bronze propeller, flexible coupling, interior adjustable stuffing box, and 1" diameter stainless steel shaft. Removable engine box panels give complete access to engine and machinery spaces. Lead sandwich engine room insulation is standard. Engine is mounted with flexible mounts.

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Exhaust is muffled with a water lift type silencer, exiting at the transom. Engine instrumentation is recessed into cockpit and includes warning lights for temperature, oil pressure, and voltage with a gauge for the tachometer. Primary and secondary fuel filters are standard, as is a clean out port in the 25 gallon aluminum fuel tank located under the cabin sole.

ELECTRICAL

Two 90 amp hour heavy duty batteries are standard with a selector switch which may be changed while the engine is running without damage to the 35 amp alternator. Also included is a diode network which apportions charging rate to each battery. 12V DC power distribution is through a Bass modular panel with battery condition meter and circuit breakers. All wiring is 14 gauge or larger stranded copper run through non-metallic conduits with junction boxes to covered terminal blocks. Navigation lights conforming to marine standards, include steaming and masthead light. Five Swivel reading lights, three overhead domes, and a fluorescent fixture in the head provide interior illumination.

PLUMBING

All apertures below water line are fitted with bronze flanged thru hull fittings installed in specially reinforced laminate, with bronze 90° throw sea cocks. Hoses below water line are double clamped with stainless worm drive clamps. Fresh water tanks are FDA approved polybutylene.

DOCK EQUIPMENT

- (4) 1/2" X 30' nylon docking lines
- (2) 8" X 20" inflatable fenders

Miscellaneous

- (2) Barient lock-in type winch handles
- (1) 1" X 48" teak flag staff w/base