

12-19-83

2-28



FREEDOM 2-28 SPECIFICATIONS*

LOA	28' 4"	Sail area	-Main	244 sq. ft.
LWL	25' 9"		-Mizzen	190 sq. ft.
Beam	9' 4"		-Total	434 sq. ft.
Draft	4' 5"	Mast height above water		38 ft.
Displacement	7,000 lbs.	Headroom		6' 1"
Lead Ballast	3,800 lbs.	Tankage	-Water	22 gals.
Engine	Yanmar 2 GM		-Fuel	22 gals.
	2 cyl., 13 hp.		-Waste	25 gals.

The Freedom 28 is a fixed keel cat ketch with unstayed carbon fiber masts. F28 looks, and most importantly, feels like a considerably larger yacht. Owners compliment the solidness of construction, which is rarely found in yachts of this size.

L

Gelcoat finished, hand laminated fiberglass with Contourkore reinforcement. Laminate is engineered to provide high strength in critical areas. This core adds strength and thermal and accoustical insulation without undue weight. The laminate has a minimum modulus of 1.0×10 million and a minimum tensile strength of 12,000 lbs. per square inch. Boot top and hull colors are molded in to owner's specifications. Hull has a full run molded in raised striker rail with stainless nosing.

DECK

Hand laminated, cored, fiberglass construction is used in the deck. Heavy reinforcing is built in for deck hardware. Molded in non-skid areas are available in several colors. The cockpit is integral with the deck and is provided with a large scupper draining through the transom. Seat locker storage is provided for sails, dock lines and fenders. Deck woodwork includes teak handrails, cockpit grate and companionway pin boards and trim.

SAIL CONTROL

A Barient #23 self-tailing winch controls halyards, outhauls, and reef lines. Each line passes through a sheet stopper. Hangers are provided for tails. sheets and halyards are color coded.

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BEND BOAT BASIN, MELVILLE, NEWPORT. R.I. 02840 / TEL. (401) 683-3503 TELEX 952 134 TPI WARI

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HULL/DECK JOINT

The anodized aluminum toe rail and deck flange are thru-bolted to the hull flange using 5/16" stainless steel bolts. The deck is further bonded to the hull using 3M #5200 flexible adhesive sealant.

HATCHES & PORTS

Companionway hatch is a two stage design and opens into integral scuppered sea hood. Ventilation is provided by overhead opening hatches in the forward cabin and main cabin. Two large fixed ports on each side aft provide ample natural light as well as two additional fixed ports forward and an opening port in the head.

BLOCKS & FITTINGS

Blocks and fittings are predominately Schaefer, Nicro-Fico and Harken.

MOORING CLEATS & CHOCKS

A 10" mooring cleat on the foredeck with 5" chocks for fairleads and two 8" cleats aft set on quarters.

LIFELINES & PULPIT

Single rail stainless steel bow pulpit with lifelines run through six 23" high stainless steel stanchions, to USYRU specifications. Optional boarding gates are available.

SPARS & BOOMS

Carbon fiber one piece construction with luff track or wishboom rigs are available. Spars are tapered from 6 1/2" diameter at base to 3 3/4" diameter at the trunk. Booms fabricated of aluminum are fitted with outhaul, lazy jacks, and reefing hardware.

INTERIOR

Standard teak joinery is handsomely fitted throughout, and accented with teak trim. Cabin sole is teak and holly. Hand oiled interior is standard. Overheads are white finished.

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Forecabin - 6'6" long V-berths with standard insert filler and lockers below berths for storage. A large hanging locker is located to starboard. The forward passageway door provides a pleasant private cabin area for two.

Head - Marine toilet is plumbed to 25 gallon holding tank with deck pump out fitting. A stainless sink is provided in a vanity with cupboard space under. A cabinet with sliding doors is installed outboard.

Galley - The L-shaped galley features a 13" X 17" deep stainless steel sink with pump. Two burner alcohol stainless steel gimballed stove with cutting board top. 5 cubic ft. ice box with acrylic sliding shelf has insulated lid and minimum 3" insulation surrounding. Lockers with sliding doors are located outboard the counter space.

Main cabin - is uniquely suitable for entertaining or lounging. To port is a dinette which will comfortably sit four for dinner. The table also lowers to convert to a 6'6" double berth. Lockers outboard and stowage below seats provide good stowage space for a boat this size. To starboard is a 5' settee and bar counter. Under the counter is additional space which converts the settee to a 6'6" berth. Located outboard of the settee are drop in stowage bins.

MECHANICAL & ELECTRICAL

Engine - A Yanmar 13 hp. two cylinder diesel with standard fresh water cooling drives a 14" diameter two blade propellor through a Hurth 2.14:1 reduction gear, flexible coupling, interior adjustable stuffing box, and 1" diameter stainless steel shaft. A removable insulated engine box gives complete access to engine and machinery spaces. Engine is mounted with flexible mounts.

Exhaust is muffled with a water lift type silencer, exiting at the transom. Engine instrumentation is recessed into cockpit and includes tachometer, visual and audible alarms for other functions.

Primary and secondary fuel filters are standard, as is a clean out port in the 22 gallon fuel tank located under the quarter berth. Engine cooling water enters through bronze flanged thru-hull with seacock set deep in the hull and runs to a bronze strainer with transparent inspection cylinder.

Electrical - A heavy duty battery is standard with a selector switch which may be changed to an optional battery while the engine is running without damage to the 35 amp alternator. 12 volt DC power distribution is through a circuit breaker panel with built in battery test switch. All wiring is minimum 14 gauge stranded copper. Navigation lights to marine standards include steaming and mast head light. Swivel reading lights and fluorescent fixtures in head and galley provide interior illumination.

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PLUMBING

All apertures below water line are fitted with bronze flanged thru hull fittings installed in specially reinforced laminate, with bronze 90 degree throw seacocks. Hoses below waterline are double clamped with stainless worm drive clamps.

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FREEDOM 2-28

Factory Installed Options*

DECK

- | | | |
|-------------------------------------|--|----------|
| <input checked="" type="checkbox"/> | 1. Fiberglass bowsprit with anchor roller and extra bow cleat. | 390.00 |
| <input checked="" type="checkbox"/> | 2. Pedestal Steering with guard, brake, compass and cover. | 1,275.00 |
| <input type="checkbox"/> | 3. Stern Pulpit. | 275.00 |
| <input type="checkbox"/> | 4. Lifeline gates (each). | 175.00 |
| <input type="checkbox"/> | 5. Staysail gear including 2 #10A winches, cleats. | 410.00 |
| <input type="checkbox"/> | 6. Forward ports opening in lieu of fixed (each). | 50.00 |

INTERIOR

- | | | |
|--------------------------|--|----------|
| <input type="checkbox"/> | 7. V-berth shelves, port and starboard. | 140.00 |
| <input type="checkbox"/> | 8. Ash hull ceiling battens throughout in lieu of standard fabric hull liner. | 835.00 |
| <input type="checkbox"/> | 9. Drawers under bar, starboard side main salon. | 225.00 |
| <input type="checkbox"/> | 10. Gimballed propane stove with oven in lieu of standard alcohol counter top stove. | 1,395.00 |

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[] 11. Lockers with sliding plexiglass doors installed outboard, starboard main cabin. 380.00

[] 12. Book shelf port side, main cabin. 135.00

MECHANICAL/ELECTRICAL

[✓] 13. Head Y-valve to holding tank or overboard discharge for use offshore. 250.00

[✓] 14. Pressure hot & cold water with shower and separate shower sump pump. 895.00

[✓] 15. 110 Volt AC system including battery charger with built-in isolation transformer, AC panel with main switch, 4 circuit breakers, 3 receptacles, shore power cord, inlet, and all connections. 995.00

[✓] 16. Electric bilge pump. 240.00

[✓] 17. Extra battery (each). 135.00

[] 18. Refrigeration, Adler Barbour "Cold-Machine". 995.00

[✓] 19. Masthead combination strobe, anchor, tri-color light. 400.00

[] 20. Cockpit dodger. 740.00

[] 21. Shipping cradle. 550.00

[] 22. Fiberglass documentation board. 100.00

[✓] 23. Name & hailport painted, gold leaf upon application. 175.00

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