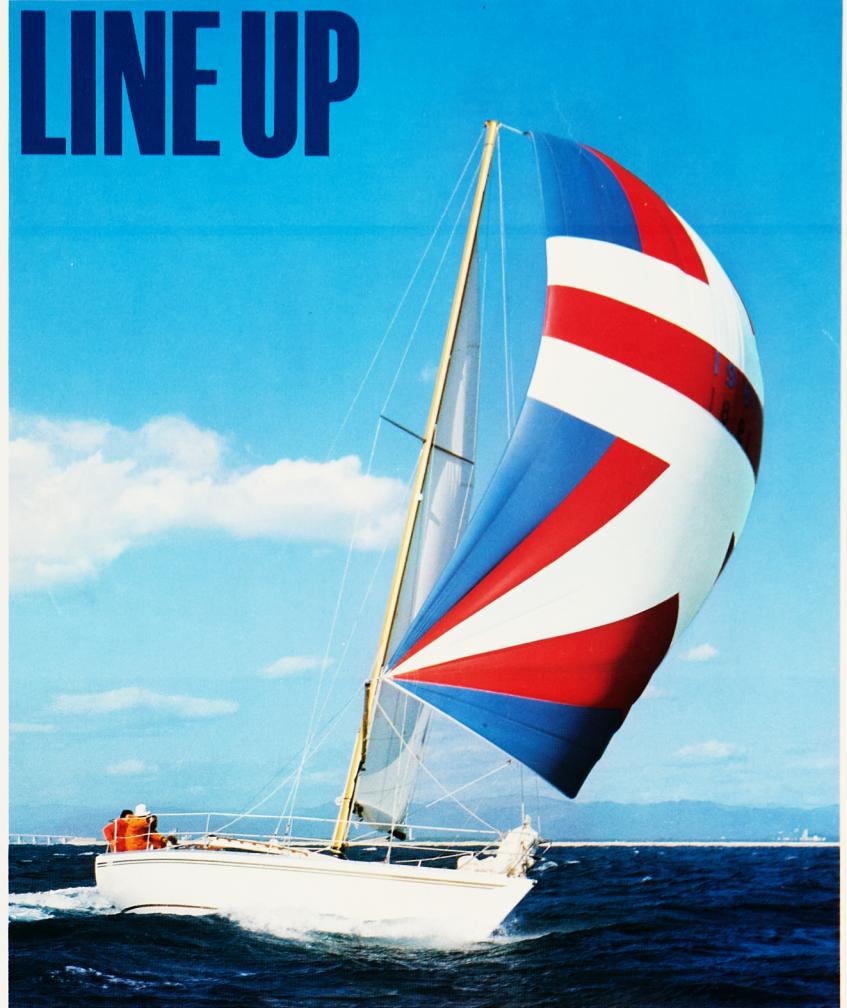




YAMAHA Arai Factory

YAMAHA Nakaze Factory

# YAMAHA SAIL BOAT LINE UP



YAMAHA ORIGINAL DESIGN

 YAMAHA MOTOR CORP., U.S.A.  
6620 ORANGETHORPE AVE., BUENA PARK, CALIF. 90620  
LIT-3BT-0201034-79E 54.5 x 5 Printed in Japan

## WHEN YOU KNOW HOW THEY'RE BUILT, YOU'LL BUY A YAMAHA

### DESIGNING & TESTING

**Design** Yamaha's large design team has introduced computer technology to the design process in order to obtain optimum hull lines and performance.



**Tank Testing** By towing a scale model through the test tank, water resistance, stability, sea kindness, etc. are repeatedly tested. Data obtained through such tank tests is fed back into the computer to determine the optimum shape for the proto type. The proto type is then tested through actual sailing before commencing mass production of the boat.



### PRODUCTION PROCESS

**Resin application** The application of Yamaha developed gelcoat is rigidly controlled to assure proper thickness and coverage.



**Laminating** Fiberglass mat and roving are hand laminated to the gelcoated mold. By employing specialized materials, proper thickness and overlaps are assured. All phases of lay-up are carefully monitored to prevent air pockets and dry laminates to insure maximum hull strength.



**Removing hull from mold** In extracting the hull from the mold special care is taken not to damage the finished hull. The surface of the hull is then carefully inspected by a unique process to assure complete curing.

**Hardware Installation** Specially designed jigs and tools are employed to obtain precise and uniform installation of hardware items.



**Hull to Deck Joint** A unique process of joining the hull and deck employing both a mechanical and chemical bond. Special care is taken to assure maximum strength and watertight integrity throughout the joined surface.



**boats, making good use of the excellent wood craftsmanship which has produced Yamaha pianos and the precise machine work which has produced Yamaha motorcycles. This combination of fine craftsmanship and superior technology has earned Yamaha a leadership position in the marine industry.**

**Final Inspection** Countless tests are conducted on each boat under strict inspection standards (on the Yamaha-36 over 230 individual checks are made in the final phase). Installed diesel engines are run at the factory, and high pressure water tests are conducted at the spray booth to insure against leakage. After many such checks and inspections, Yamaha boats are shipped out to customers.



**Shipping** Yamaha boats being loaded on board. These boats are eagerly awaited by Yamaha sailors throughout the world.

### PERFORMANCE PROVEN

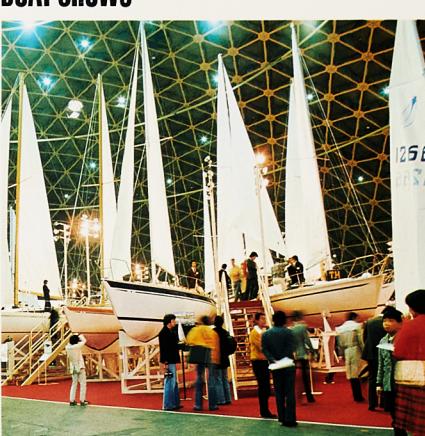


sailing conditions. One such race victory was the 1975 Single Handed Race from San Francisco to Japan. Despite this endless quest for speed, strength and safety are always the primary concern of Yamaha.



Yamaha boats have proven their high performance design and engineering standards by winning many races under all types of

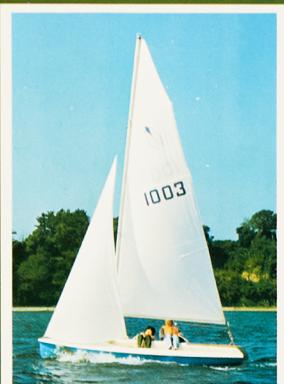
### BOAT SHOWS



Yamaha sailboats are exhibited at international boat shows throughout the world. This market exposure allows Yamaha to continuously improve and develop their marine products.

**YAMAHA-11 Mini Hopper**

L.O.A. 11'3" (3.43m)  
L.W.L. 10'4" (3.16m)  
Beam 4'4" (1.32m)  
Draft C-B up down 4'2"5" (0.10, 0.75m)  
Sail Area 55.76 sq.ft (5.18m<sup>2</sup>)

**YAMAHA-13 Cicala**

L.O.A. 13'4" (4.07m)  
L.W.L. 12'3" (3.89m)  
Beam 5'5" (1.64m)  
Displacement 112 kg  
Draft C-B up down 6'3"4" (0.15, 1.03m)  
Sail Area 124 sq.ft (11.50m<sup>2</sup>)

**YAMAHA-14 Seahopper**

L.O.A. 13'11" (4.25m)  
L.W.L. 13'2" (4.02m)  
Beam 4'8" (1.43m)  
Displacement 51 kg  
Draft C-B up down 4'2"7" (0.10, 0.80m)  
Sail Area 83 sq.ft (7.70m<sup>2</sup>)

**YAMAHA-15 Competition**

L.O.A. 15'5" (4.70m)  
L.W.L. 14'7" (4.44m)  
Beam 5'6" (1.68m)  
Displacement 118 kg  
Draft C-B up down 6'3"5" (0.15, 1.05m)  
Sail Area 137 sq.ft (12.70m<sup>2</sup>)

**YAMAHA-16 Sealark**

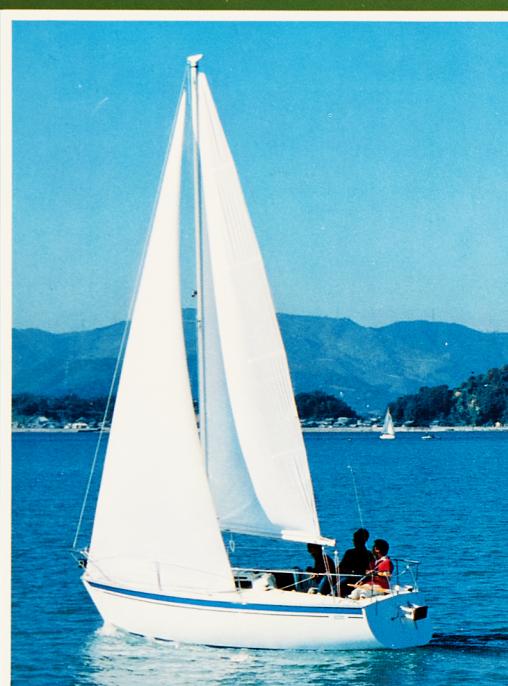
L.O.A. 16'3" (4.95m)  
L.W.L. 15'1" (4.61m)  
Beam 6'9" (2.05m)  
Displacement 150 kg  
Draft C-B up down 6'3"6" (0.10, 1.05m)  
Sail Area 135 sq.ft (12.50m<sup>2</sup>)

**YAMAHA-17**

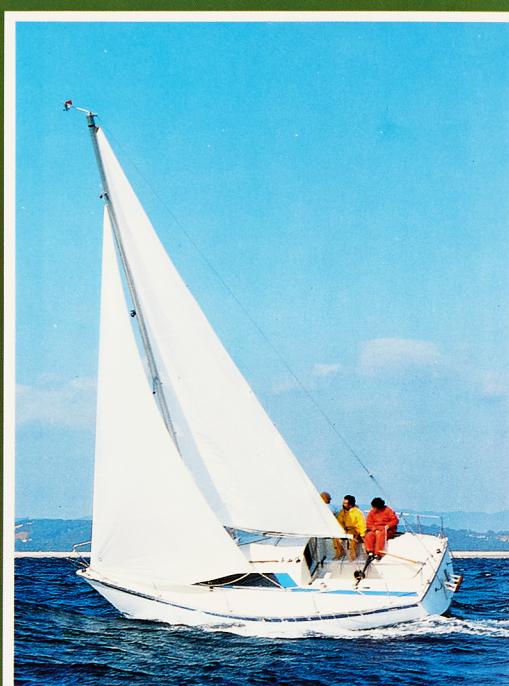
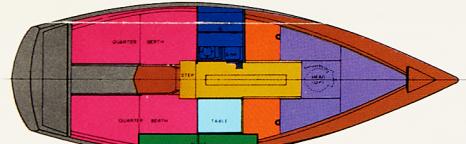
L.O.A. 16'8" (4.99m)  
L.W.L. 14'9" (4.50m)  
Beam 6'9" (2.05m)  
Displacement 500 kg  
Draft C-B up down 11'1"4" (0.55, 1.30m)  
Ballast 150 kg  
Sail Area 122 sq.ft (11.30m<sup>2</sup>)

**YAMAHA-21R.C**

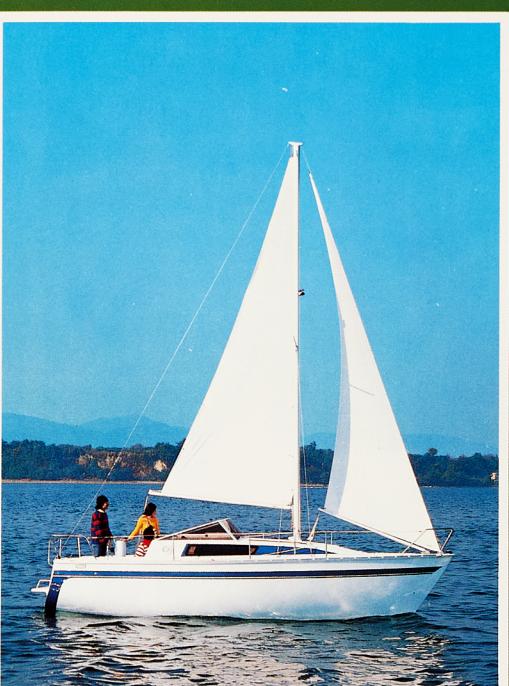
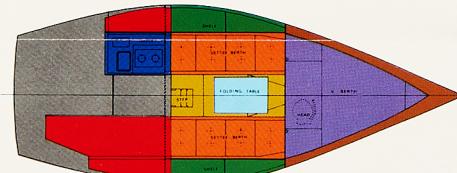
L.O.A. 20'8" (6.30m)  
L.W.L. 17'5" (5.30m)  
Beam 9'4" (2.85m)  
Displacement 900 kg  
Draft 4'5" (1.35m)  
Ballast 300 kg  
Sail Area 194 sq.ft (18.02m<sup>2</sup>)

**YAMAHA-21JOG**

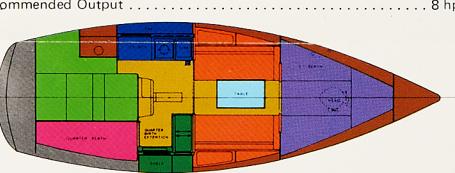
L.O.A. 20'12" (6.40m)  
L.W.L. 18'3" (5.55m)  
Beam 7'7" (2.30m)  
Displacement 1,100 kg  
Draft 3'11"4"7" (1.20, 1.40m)  
Ballast 450 kg  
Sail Area 195 sq.ft (18.16m<sup>2</sup>)

**YAMAHA-24 1-tonner**

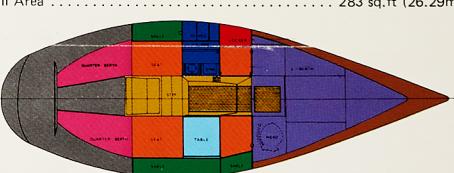
L.O.A. 24'3" (7.40m)  
L.W.L. 20'3" (6.18m)  
Beam 10'0" (3.05m)  
Displacement 1,400 kg  
Draft 5'1" (1.55m)  
Ballast 415 kg  
Sail Area 242.8 sq.ft (22.56m<sup>2</sup>)

**YAMAHA-24MS**

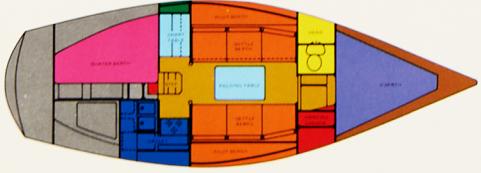
L.O.A. 24'4" (7.42m)  
L.W.L. 21'4" (6.50m)  
Beam 8'6" (2.59m)  
Displacement 1,650 kg  
Draft 2'11" (0.90m)  
Ballast 650 kg  
Sail Area 201 sq.ft (18.67m<sup>2</sup>)  
Recommended Output 8 hp

**YAMAHA-25**

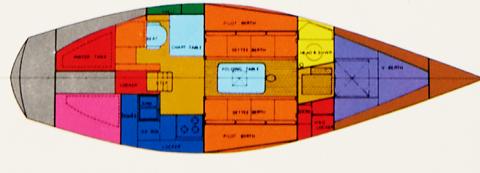
L.O.A. 24'9" (7.55m)  
L.W.L. 19'3" (5.87m)  
Beam 8'11" (2.73m)  
Displacement 1,700 kg  
Draft 4'3"5"5" (1.30, 1.65m)  
Ballast 650 kg  
Sail Area 283 sq.ft (26.29m<sup>2</sup>)

**YAMAHA-30**

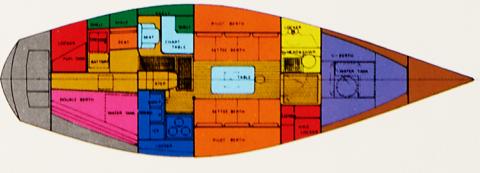
L.O.A. 29'5" (8.97m)  
L.W.L. 23'7" (7.20m)  
Beam 10'7" (3.23m)  
Displacement 3,450 kg  
Draft 5'9" (1.75m)  
Ballast 1,300 kg  
Sail Area 391 sq.ft (36.27m<sup>2</sup>)

**YAMAHA-33**

L.O.A. 33'5" (10.17m)  
L.W.L. 26'11" (8.20m)  
Beam 11'0" (3.35m)  
Displacement 4,400 kg  
Draft 6'3" (1.90m)  
Ballast 2,000 kg  
Sail Area 492 sq.ft (45.70m<sup>2</sup>)

**YAMAHA-36**

L.O.A. 35'1" (10.95m)  
L.W.L. 29'1" (8.86m)  
Beam 11'9" (3.61m)  
Displacement 5,700 kg  
Draft 6'7" (2.00m)  
Ballast 2,550 kg  
Sail Area 611 sq.ft (56.80m<sup>2</sup>)

**YAMAHA-37CK (Cruising Ketch)**

L.O.A. 36'9" (11.20m)  
L.W.L. 29'4" (9.00m)  
Beam 12'2" (3.70m)  
Displacement 5,420 kg  
Draft 5'3" (1.60m)  
Ballast 2,100 kg  
Sail Area 596 sq.ft (55.40m<sup>2</sup>)

