

II. SPECIFICATIONS

A. Design Concept

The Out Island 41 was first conceived in January 1971 as the first of a new line of cruising yachts by Morgan Yacht. This design was Morgan Yacht's first departure from the then popular CCA (Cruising Club of America) class of cruising/racing sailboats. Unlike the CCA boats, the Out Island family was not held to restrictions imposed by any racing handicap rules. Instead, the design parameters were defined by a careful balancing of priorities as they related to the yacht's primary function -- comfortable short range and/or extended cruising. In addition, the yacht had to be aesthetically pleasing.

While the Out Island 41 concept was formulated over 10 years ago, it continues to be popular today. The yacht has been refined over the years. Ideas from owners, new innovations in materials and equipment, and federal and maritime regulations are a few of the influences on the continual upgrading. Today, the Out Island 41 is contemporary in both concept and detail.

Major features in the design of the Out Island 41 are:

1. Shoal draft without the usual problems associated with centerboards, but accepting some compromise in windward performance.
2. Maximum usable space above and below decks.
3. Dedicated to the preservation of aesthetics.

The basic approach to styling was to maintain a low profile without the traditional high trunk cabin. This was accomplished by using a modified flush deck design. A low sheer line was created by the rubrail detail and contrasting whale stripe. The result is a low appearing freeboard with an actual positioning of the weather deck well above the waterline.

Maximum interior space was accomplished primarily through wide beam. The beam to length ratio of the Out Island 41 is 0.34. (Most sailing yachts center around 0.30). The maximum beam also provides good hull form stability which is important in cruising sailboats, especially those with shallow draft.

The wide beam provides more than the usual amount of clear deck space and room for a large center cockpit. The center cockpit allows space below for a

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A. Design Concept (continued)

large engine room amidships. This engine room location provides a substantial physical separation of the aft stateroom and the main salon, resulting in a high degree of privacy for a yacht of this size.

The raised flush deck and center cockpit offer a very high degree of visibility in all directions, under sail or power. And, the deck surfaces are clear and high out of the water, making topside work easier and safer in rough weather.

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B. General Design Specifications

Length Overall	41'3"
Length Waterline	34'0"
Beam	13'10"
Draft	4'2"
Displacement	27,000 lbs.
Lead Ballast (Internal)	9,000 lbs.
Sail Area (Ketch)	
100% Fore Triangle	413 sq. ft.
Mainsail	312 sq. ft.
Mizzen	153 sq. ft.
Standard Engine	62 hp Perkins
Fuel Tankage (2 FRP tanks)	90 gallons
Water Tankage (2 Polyethylene/FRP tanks)	200 gallons
Vertical Clearance	60 ft.
Propeller Size	1 $\frac{1}{4}$ " 18x17 R.H. 3-blade
Propeller Shaft Size	1 $\frac{1}{4}$ " dia. x 96 $\frac{1}{2}$ " (S.E.T.)
Range Under Power	*500 miles
Theoretical Hull Speed - Upright	7.25 knots

*Note: The above power range is approximate due to varying sea conditions and helm handling.

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B. General Design Specifications (continued)

Engine: Manufacturer - Perkins, Model 4-154M, Displacement - 153.9 cu.in.;
Transmission - Hurth, Model HBW20, Ratio - 2.73:1;
Alternator - 61 amps, Cooling - FW, HP/RPM - 62 @ 3000;
Oil - SAE 30/8 qts, Fluid - Texomatic-Dexron/3 qts.

Exhaust: Manufacturer - Vernalift, Model 1300113, Type - Wet.

Controls: Manufacturer - Morse, Unit Model MIR-STD, Cables - 33C-CC-172,
Length - 8 ft.

Prop Shaft: Material - Tobin Bronze, Diameter - 1 $\frac{1}{4}$ ", Length 96 $\frac{1}{2}$ " S.E.T.

Propeller: Material - Bronze, Diameter - 18", Pitch - 17", Rotation - R.H.,
Blade - 3.

Strut Bearing: Manufacturer - BJBorg-Warner, Model - Cod, Size - 1 $\frac{1}{4}$ ".

Hydraulic Steering: Manufacturer - Hynautic, Cylinder - K-25, Reservoir - RO-7,
Helm Unit - H-35S, Relief Valve - MSV-35, Fluid - Tex #1537BB,
Tiller Arm - MYC #5040224.

Batteries: Manufacturer - Tropex, Model - 4AG163, Capacity - 155 ahr.

Aft Automatic Bilge Pump: Manufacturer - Rule, Model 1750-10B, Capacity 1750 gph

Fwd. Automatic Bilge Pump: Manufacturer - Par, Model 6950.

Pressure Water Pump: Manufacturer - Par, Model 36950

Shower Pump: Manufacturer - Par, Model 37202

Hot Water Heater: Manufacturer - Mor-flo, Model AMRS-7, Capacity - 7 gal.

Heads: Manufacturer - Raritan, Model PH High-Boy

Shorepower: Manufacturer - Marinco/Hubbell, Capacity - 120 v. AC/30 amp,
Wire - 3 conductor.

Seacocks: Manufacturer - Par/Conbraco, Model - flanged sea valve.

Roller Furling System: Schaefer 1200.

Winches: Manufacturer - Lewmar, Model 16 (std) - Ratio 16:1, Gears 1:1, 2:1
Model 42 (std) - Ratio 42:1, Gears 9.1:1, 42:1
Model 8 (std) - Ratio 7.9:1

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B. General Design Specifications (continued)

<u>Rigging:</u>	<u>Wire Diameters</u>
Headstay	3/8
Backstay(s)	1/4
Main Shrouds	3/8
Main Intermediate	3/8
Forward Lowers	5/16
Aft Lowers	5/16
Triatic	3/16
Mizzen Uppers	1/4
Mizzen Lowers	1/4

<u>Running Rigging:</u>	<u>Diameter & Length</u>
Genoa Halyard	57' - 1/4" Wire; 103' - 3/8 Rope
2- Main Halyard	Rope 3/8 x 112'
1- Mizzen Halyard	Rope 3/8 x 83'
2- Genoa Sheet	Rope 1/2 x 108'
1 Main Sheet	Rope 3/8 x 105'
2 Mizzen Sheet	Rope 5/16 x 50'

Specifications/manufacturers subject to change without notice. Does not include options.

II. SPECIFICATIONS

C. Serial Numbers and/or Model Numbers

Hull Number (Coast Guard)	_____
Engine Serial Number	_____
Generator Serial Number	_____
Hot Water Heater Serial Number	_____
Stove Serial Number	_____
Battery Charger Serial Number	_____
Icemaker Serial Number	_____
Refrigerator Serial Number(s)	_____

Stereo Serial Number	_____
Steering System	_____
Bilge Pump	_____
Pressure Water Pump	_____
Shower Pump	_____
Ice Box Pump	_____
Utility Pump	_____
Batteries	_____
Auto Pilot	_____
Compass	_____
Air Conditioning	_____

II. SPECIFICATIONS

D. Manufacturer's Documents

For every yacht manufactured by Morgan, a Master Carpenter's Certificate (MCC) and Manufacturer's Statement of Origin (MSO) are prepared upon request. Both the MCC and MSO must be prepared with the name of the dealer to which the yacht was originally sold. The dealer, then, upon payment in full, endorses these documents over to the person to whom the yacht was sold. The MCC is used for U.S. Coast Guard documentation, and the MSO is the title to the yacht and used for state registration.

Morgan Yacht can issue only one original MCC and MSO. If they become lost, no duplicate will be issued by Morgan Yacht. However, if you wish to document your yacht and the MCC has been lost, Morgan Yacht can issue a letter. This will enable you to proceed with documentation of your yacht with the U.S. Coast Guard.

II. SPECIFICATIONS

E. Procedures and Data for Documentation

Documentation must be accomplished with the United States Coast Guard in the United States or with the governing agency in the country where your vessel is to be registered. We suggest you contact the Documentation Office nearest you for full details, forms, and instructions.

The following notes and references are made for your information and convenience. They should in no way be misconstrued as complete and detailed instructions.

Procedure:

Pleasure Class - Under 20 tons requires a Yacht License. Twenty tons and over requires a Certificate of Enrollment and a Yacht License.

Application for Admeasurement - Requires a Master Carpenter's Certificate issued by the builder on the prescribed Coast Guard form. This certificate will be retained by the Coast Guard with certified copies available to the owner.

Admeasurement - The admeasurer uses data on the Master Carpenter's Certificate (MCC) to compute net tonnage. The following formulas are used for sailboats:

$$\text{Gross Tonnage} = 1/2 (LBD/100)$$

$$\text{Net Tonnage} = .9 (\text{Gross Tonnage})$$

where

L = Length

B = Breadth

D = Depth

Official Number - After admeasurement files your certificate of tonnage, application is made for an official number. Title and mortgage papers are required.

Additional Forms - Application for Number
Declaration of Ownership and/or Extent of Interest
Identification of Owner's or Existing Mortgages

II. SPECIFICATIONS

E. Procedures and Data for Documentation (continued)

Declaration of No Foreign Interest Involved
Designation of Master of Vessel
Declare No Freight or Commercial Passengers to be
Carried on Board
Designated Home Port - Licensing Office
Designated Hailing Port - Berth Marking Certificate

Commercial Class - Contact your U.S. Coast Guard Documentation Office
for information, due to the complexity of application.

For your information and reference, the next two pages contain sample copies
of actual MCC's and MSO's containing the vital information on your boat.

These forms are signed by Morgan Yacht with the authorized signature and
title of the person or responsibility, and are notarized.

Several magazine articles have been written on the subject, which may be of
assistance to you in your application. Reprints of these articles should be
available from the various yachting and boating magazine publishers.



MORGAN YACHT

7200 BRYAN DAIRY ROAD ■ LARGO, FLORIDA 33543 ■ 813-544-6681

MANUFACTURERS STATEMENT OF ORIGIN FOR A BOAT SOLD IN THE STATE OF FLORIDA

The undersigned manufacturer hereby certifies that the new boat described below, the property of said manufacturer, has been sold this _____ day of _____, 19____ on Invoice No. _____.

Dealer's Name _____

Address _____

City, State and Zip Code _____

Model Year _____ Serial No. of Boat MRY31XXXMXXX-416

Hull Length 41 ft. 3 in. Beam 13 ft. 10 in.

Hull Material: Wood Aluminum Steel Fiberglass

Type Boat: Outboard Inboard Sail Other

This form must be presented with application for state title.

The manufacturer certifies that all information given herein is

true and accurate to the best of his knowledge.

FIRM NAME MORGAN YACHT

BY _____
Authorized Signature

TITLE OR POSITION _____

Before me personally appeared _____
who by me being duly sworn upon oath says that the statements set
forth above are true and correct. Subscribed and sworn to before me

this _____ day of _____, 19____

Notary Public.

(SEAL)

Date Commission Expires _____



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FIRM NAME MORGAN YACHT

BY _____
Authorized Signature

TITLE OR POSITION _____

Before me personally appeared _____ who by me being duly sworn upon oath says that the statements set forth above are true and correct. Subscribed and sworn to before me

this _____ day of _____, 19____

Notary Public.

(SEAL)

Date Commission Expires _____



MORGAN YACHT

7200 BRYAN DAIRY ROAD
LARGO, FLORIDA 33543 ■ 813-544-6681

MASTER CARPENTER'S CERTIFICATE (BUILDER'S CERTIFICATE)

PLACE	Largo, Florida 33543	DATE		NAME OF MASTER OR PRINCIPAL CARPENTER
ADDRESS	7200 Bryan Dairy Road, Largo, Florida 33543			
RIG	Oil Screw	HULL NO.	MRY31XXMXXX-416	
VESSEL WAS BUILT	By Morgan Yacht			
YEAR OF COMPLETION	PLACE WHERE BUILT			MATERIAL OF BUILD
	Largo, Florida 33543	U.S.A.		Fiberglass
NAME OF PERSON OR PERSONS FOR WHOM BUILT AND INDIVIDUAL INTEREST OWNED				

Dealer Name and Address

(Individual interest owned 100%)

SAMPLE COPY - NOT TO BE TRANSFERRED

NUMBER OF DECKS	NUMBER OF MASTS	CONTOUR OF STEM	SHAPE OF STERN
1	2	Clipper	Wine Glass
LENGTH OF VESSEL	BREADTH OF VESSEL	DEPTH OF VESSEL	
41 $\frac{2.5}{10}$ FEET	13 $\frac{8}{10}$ FEET	9 $\frac{1}{10}$ FEET	
GROSS TONNAGE	NET TONNAGE		

THE FOLLOWING ADDITIONAL PARTICULARS SHALL BE GIVEN FOR THE ENGINE OF MACHINERY-PROPELLED VESSELS

TYPE OF ENGINE (Reciprocating, beam, turbine, etc., if steam, oil, gas, etc., if internal combustion)	Oil Screw	
PLACE WHERE BUILT	YEAR BUILT	
England		
BUILT BY	Perkins Engineering Ltd.	
POWER (Steam, heavy oil, light oil, gasoline, naphtha, etc.)	Light Oil	

I certify that the information given above is true and correct to the best of my knowledge and belief.

Before me personally appeared _____
 who by me being duly Sworn upon oath says that the statements set forth
 above are true and correct. Subscribed and sworn to before me this _____
 day of _____, 19____
 _____ Notary Public.
 (SEAL) Date Commission Expires _____

 SIGNATURE OF MASTER CARPENTER OR BUILDER