

# **TECHNICAL DESCRIPTION**

## **HULL NOMENCLATURE**

LOA: 50'10"    BEAM: 14'9"    DRAFT: 6'2"    TONNAGE: 31 tons  
Superstructure: Molded fiberglass with teak overlay on decks  
Cruise speed: 7 knots  
TIARE is a US Coast Guard documented vessel

## **HULL DESCRIPTION**

This 51' vessel is a center cockpit ketch (William Garden) rigged sailboat built in 1980 by Formosa Boat Building Company in Taiwan.

Forward are the chain lockers followed by port and starboard guest cabins with upper and lower berths and cabinets. To port is an enclosed head with lavatory. To starboard is the laundry locker with combination washer/dryer.

The salon follows with the navigation station/main AC/DC panel to starboard and a convertible dinette. To port is storage and the entertainment center followed by the galley, full engine room access, and aft passageway to the master cabin aft with queen size berth, hanging lockers, ensuite head with stall shower, and a ladder up to the aft deck up and out.

From the salon is the self bailing cockpit with teak pedestal steering aft and all necessary engine controls and instruments and is weather protected by a canvas dodger/bimini top.

## **MACHINERY and TANKAGE**

The vessel's auxiliary power is by a single 2715E Ford Lehman diesel engine which is 6 cylinders, fresh water cooled, and produces 120 horsepower. The engine has 1,654 hours of running time. There are 2 new fuel tanks of a capacity of 100 gallons. The Racor fuel filters are new as well as all related plumbing. The generator is a new Beta Marine and produces 7 kw of AC electrical power and is of recent installation. The engine and generator are below the cockpit across the galley. There are 4 water tanks of a capacity of 400 gallons.

## **ELECTRICAL SYSTEMS**

The 12 VDC is obtained from the main house bank and the 120 VAC is supplied by shore power connection, a trace 2.5 kw inverter, and the 7 kw generator. There are 2 battery banks. House banks (1300 amps) consist of six new 6 volts Trojan batteries. Second bank consists of two group 24 starter batteries. The battery systems are connected to a new Outback 2500 Watt inverter/charger with a RC 7 remote panel, 4-45 Watt solar

panels (articulating) with blue sky booster, a wind generator, and a trace battery monitor panel.

## **DECK EQUIPMENT**

Anchors: CQR 45, Bruce 20 kg, Danforth 60 and 90

Windlass: Electric and manual

Chain size: 3/8" x 150' & 50'; 1/2" x 160'

Dinghy: Walker Bay 10 rowing skiff (equipped with three 10 gallons water tanks transferable to main water tanks)

Others: Stainless steel stern davits, Shurflo raw water wash down pump, dock lines, docking fenders, extra lines and sheets.

## **SPARS/RIGGING/SAILS/DECK HARDWARE**

Lefiell aluminium alloy masts and booms, Harken furling system, stainless steel wire standing rigging, Dacron running rigging, telescoping spinnaker pole, Barlows winches.

Sails: Yankee, staysail, main, mizzen, mizzen staysail, storm staysail, storm main.

## **SAFETY AND ELECTRONIC EQUIPMENT (New)**

Extinguishers: 3 ABC size 1 and 1 fyre watch FE-241

Throwable: Life sling

Water Maker: off shore marine 500 GPD

Radio: VHF Uniden UM625c with wireless MIC, Furuno FS-1503 SSB radio

Autopilot: Simrad AP-24

Radar: Garmin 5212, 36 miles and radar reflector

GPS plotter: Garmin 5212 with AIS

Compass: Danforth

Weather receiver: Airmar interfaced to Garmin and ship's computer systems.

Fathometer: Interphase

Autopilot: Teleflex hydraulic steering

Repeaters: 2 Garmin GMI and 1 CruizePro

Computer: Mini tower with Windows XP, Nav Pak navigation software, Alden weather receiver software, and Airmar Weather Station monitoring..

## **INTERIOR ACCOMODATIONS**

Total berthing: 6+

Shower: 1 stall

Type stoves: Electrical Force 10 with 3 burners, 1 burner alcohol stove, 1 outside propane barbecue

Microwave: Samsung

Oven: Electrical Hamilton Beach

Refrigeration: Adler Barbour fridge, 2 cold plates AC freezer, and AC ice maker

Hot water heater: Force 10, 11 gallons

Head type: Compost and Lavac vacuum

Washing machine: Splendide Combomatic 2000 clothes washer/dryer

Entertainment: 2 DVD players (bedroom and salon) and 1 AM/FM/CD/Weather stereo

### **MISCELLANEOUS**

Complete set of tools to handle any project on vessel. Maintenance supplies for all bright work. Eleven 5 gallons diesel jerry cans and six 5 gallons water jerry cans. Navigational charts (US West Coast to Central America). Complete galley cooking equipment. Two sewing machines. Complete set of two snorkeling equipment. Two road bikes and related supplies. Copier/scanner/printer.

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