



## MY "SULTANA"



### PRINCIPAL CHARACTERISTICS

LOA:	25,81 meters
Beam:	5,87 meters
Draft:	2,13 meters
Speed:	10 Kn
Location:	Monaco
Year Build/Rebuild:	1969 / 2012
Yard:	FEADSHIP 1969 & 2012
Type:	Canoe stern Motor Yacht
Displ:	100 tons
Consumption:	34 ltrs/hr. approx.
Range:	2500 miles approx.
Class:	MCA commercial.
Naval architect:	De Voogt Feadship

### CONSTRUCTION

Welded steel hull and superstructure, wheelhouse roof, mast, chimney and upper sun decks aluminium.

Main and upper decks are teak laid over steel with epoxy treated plywood underground. Paint system BOERO.

### CONTACT

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## **ENGINE & MECHANICAL EQUIPMENT**

2 x 245 Hp. Gardner main engines.  
Gardner mechanical gearboxes.  
1 x 27Kw. C 2.2 Caterpillar generator.  
Wesmar stabilizer system.  
50 Hp 380 volts bow thruster.  
124 ltr/hr watermaker.  
Marix rpm regulated air-condition system.  
2 x hot water boilers of 110 liters each.  
In tank fitted Grundig rpm regulated freshwater pump  
4 Hp 380 volts waste water pump.  
Magnetic driven impeller centrifugal pumps for fire fighting, bilge and water maker supply.  
SEPAR fuel filters.  
Fuel transfer pump with SEPAR filtering system  
Constant running 24 volts steering pump.  
Main engine driven stabilizer hydraulic pump.  
Holland Warmte diesel burner heater.

## **TANKAGE**

Fuel: 8700 liters in 2 tanks  
Water: 3800 liters in 1 tank  
Black Water: 660 liters in new custom plastic tank.

## **ELECTRICAL SYSTEM**

12/24V DC  
220/380 V AC 50 Hz  
2 x 24V engine start gel batteries.  
2 x 24V generator start gel batteries.  
40 x 200 amps ( total 8000 amps )24V service gel batteries.  
3 x 8Kw DC/AC Victron converters ( total 24 Kw )  
1 x 27kw C-2.2 Caterpillar generator.

## **ACCOMMODATIONS**

Sleeps 8 in four guest cabins plus 4 crew in two cabins.

### **Aft deck:**

Sultana's classic canoe stern offers an aft deck under the extended top deck which includes a built-in U-shaped settee aft that will accommodate 12, an extendable teak varnished wood table plus five teak chairs, icemaker and drink fridge.



### **Salon:**

Step through the automatic opening teak door into an large salon finished in walnut and upholstery.

A large « L » shaped settee to port, opposite is a full length cabinet with including a built-in pop-up Samsung LED TV, PC based entertainment centre, icemaker and drinks fridge to serve the aft deck and salon. The stairs to the guest cabins are forward to starboard. Further forward on port is the dining area which has a leather dining table that sits 8. The salon has a glass window in the floor to show the immaculately restored Gardner main engines. The engine room lighting is adapted to offer "ambiance" light in the evenings into the salon.

### **Pilot house:**

Pilot house can be accessed through the salon, and two "Dutch doors" either side to the main deck.

The pilot house is mend to be also a second salon with 2 raised L shaped settees and tables, allowing full exterior view around.

The settees can be coupled to extend the seating from 6 to 8 person.

Dashboard and navigation equipment can be electrically lowered to completely hiding all control and navigation systems.

This transforms the pilothouse in a neat and clean salon leaving only the original as new restored steering wheel, engine controls and compass in sight.

### **Galley:**

Opposite the dining table on starboard is the half open galley with 4 plate gas cooker, oven/microwave, dishwasher and large fridge.

The galley also has a "Dutch door" that can be half opened directly to the main deck. Worktop is finished in black granite and brushed stainless steel.

### **VIP & Guest cabins:**

Below deck and aft is the VIP cabin with ensuite bathroom / toilet finished in Carrera marble and walnut and two guest cabins with a shared bathroom / toilet midships. Both guest cabins can be quickly transformed into either two single, or double beds. LED tv's are hidden behind one way mirrors, leaving them completely out of sight when switched off.

### **Master cabin:**

The master is forward and has a queen size bed that is on center line, built-in walnut desk, settee, large drawers and a locker cabinet and 1 large walk in wardrobe.

4 large hull windows give much natural light and stunning sea views. The large owners bathroom is finished in Carrera marble and walnut. It offers a large 2 person Jacuzzi and a large hull window with sea view from the Jacuzzi. Separate "rain" shower and toilet.

As in all other cabin's the LED tv is hidden behind a one way mirror, leaving it completely out of sight when switched off. The sound system has in addition in this cabin a subwoofer hidden under the bed, producing realistic sounds and vibration when watching a movie or listening to music. Music is also available in the bathroom.

### **Upper Deck:**

Large 10 pers aft sun bed that has a integrated table that can be raised to transform into a dining / lounge seating.

Mid deck a L shaped lounge sofa with coffee table and 2 fauteuils.

Forward on top of the wheel house another 8 person sun bed with seating that can be transformed into head rests, parasol support and protected space for personal affairs like: cellphones / drinks.



The chimney houses a retractable gas Barbeque, 2 fridges, one icemaker and a wetpoint with hot/cold water. The tab acts also as a shower.

The upper deck music system is also "Sonos" controlled and consists of 8x 250 watt speakers and a built in 1x 1000 watts subwoofer.

The sundeck is covered with design high tension "shadesails". These sails can be adapted to the amount of shade required.

The supports for the shade sails have a built in "mist" system, and LED directional spots that illuminates indirectly the shade sails at night.

#### **Crew quarters:**

Crew cabins are accessed through the foredeck "doghouse".

2 crew cabins with 2 superposed beds in each cabin.

The port cabin has a upper bed that can be extended to provide a double bed.

Very large crew shower and toilet, and ample storage.

#### **Storage:**

Below the crew quarters is the storage room.

This space contains a large washing machine, heat pump silent drying machine, 3 separate 50 ltrs freezers, a additional 110 ltrs fridge and lots of storage space for food, drinks etc..

Not everyday use spare parts are stored underneath the master cabin.

### **SPECIAL FEATURES**

#### **Bathing ladder:**

Approximately 2,50 meters of the side of the yacht can be opened and provides a platform that contains the retractable bathing/boarding ladder for easy access from tender or swimming.

#### **Passarelle:**

Completely retractable passarelle.

#### **Bulbous Bow:**

A bulbous bow has been added to reduce fuel consumption, compensate added weight in the bow and for better sea keeping.

Sultana sea keeping is more comfortable due to much less pitching against the waves.

Also, the bow contains the underwater camera and light.

### **TENDERS**

Sultana has a "Williams" jet tender and a "Yamaha" wave runner stowed on the foredeck. Both can be used for water sports like wake boarding, water skiing etc..

The jet tender allows to enter shallow waters and beaching due to the lack of a propeller, and is therefore safe for swimmers too.

Special is that these tenders are using the same centre mounted deck crane, allowing in most cases to be launched while moored in port.



## **INTERIOR**

### **Entertainment systems:**

All cabins and salon are equipped with PC based entertainment systems. Apart from movies, tv and music, the system allows views from the mast, aft deck camera's and the special stern and bow underwater camera's. Also the navigation system with full size maps and navigation information can be showed.

The salon, pilot house, aft deck and upper deck are equipped with a "Sonos" sound system. This system allows remote control by either the Sonos controller, or any PC, Mac, tablet or smart phone. All areas can play synchronised music, or separate music choices and volumes.

Ipod docking station in salon.

### **Technical:**

All technical systems are concentrated in the engine room.

Waste tank, boilers, pumps, hydraulic power packs etc..

Reducing interior noise and in case of technical problems, none of the cabins or other spaces need to be opened.

### **Toilet system:**

"Gravity" based sewage system for the toilets allow complete "silent" flushing. This system does not have any noise producing pumps or macerators in or under the cabins. The system allows also immediate "reflushing" and does not have a "manual" to operate. It is even easier as a regular household toilet.

### **Electric energy:**

A total of 8000 amps maintenance free gel batteries provide at least 8 hours of autonomous power for all systems. This includes power for all 220 and 380 volts consumers like air-conditioning, pumps, lighting etc.

All lighting are LED and dimmable.

Using LED reduces the power consumption with 75% for lighting.

This system allows complete "silent" running while at anchor, or in port without shore power.

While underway on either one or two Gardner main engines, each main engine provides ample charging power to maintain/charge the batteries and still have all systems running.

The use of the auxiliary Caterpillar generator is not needed while cruising.

Also, this allows flexibility in timing of the use of the generator, and reduced running time (maintenance) for the generator.

### **Heat recovery:**

All waste heat for cooling the main engines or generator is reused in the heating and warm water supply.

Pre heating, or maintaining operation temperature for the main engines is , taken from the generator's cooling system, electric or diesel burner.

### **Fuel economy:**

Sultana's systems allow a fuel consumption, depending, amount of guests, exterior temperatures of seawater and ambient air of around 30% less then a conventional yacht of this size.

Tests showed a average consumption of 34 litres per hour total both engines running.



### **Engine room:**

The engine room is entirely new.

Main engines are completely rebuild, repainted with special 2 component paint, chromed details and polished copper piping.

The layout allows easy access to all systems, and especially to reduce maintenance and repair costs.

Items to realise this are:

Full electronic main engine monitoring through a NMEA 2000 system. Sensors for measuring each cylinder exhaust temperature, 2 point water temperature, rpm sensors for prop shafts and engines to allow precise synchronising.

Vacuum meters on all fuel filters, allowing replacement only when needed, water presence in fuel sensors etc..

Temperature regulated ventilation to reduce power consumption.

Maintenance free prop shaft stuffing boxes.

Full toolkit, including Gardner special tools and workbench.

### **RELIABILITY**

Sultana has all these sophisticated systems, but in case of mayor power/electronics problems she can still be running.

Main engines can be manually started, and power will then be generated with one or all 4 alternators of 400 amps capacity each.

The engine controls are 100% mechanically operated, no electric or hydraulic power needed.

Each engine still has mechanical temperature and oil pressure gauges fitted.

Fuel supply can be rapidly chosen for each engine from either the forward or aft tanks. In case one of the tanks is contaminated.

3 ways to pump the bilges, fire pump, regular bilge pump or main engine seawater pump.

AC power can be supplied directly from shore or generator in case all or one of the 3 Victron converters break down.

### **ELECTRONICS & NAVIGATIONAL EQUIPMENT**

Complete "Yachtcontrol" nmea 2000 system.

PC based system with back up computer in case of failure.

48 miles KODEN radar.

Raymarine VHF

Raymarine "smart" pilot with wireless remote control and constant running hydraulic pump.

Depht sounder.

Weather station.

Cmap based chart plotter

NMEA software switches

Twin daylight "touch" screens.

NMEA 2000 and IP based ( CAT 5 cables ) networks throughout the ship.

2x handheld VHF's with Bluetooth headsets.

AIS class A.

Central tv digital antenna system.

Underwater bow and stern camera, aft deck and forward looking mast camera's.

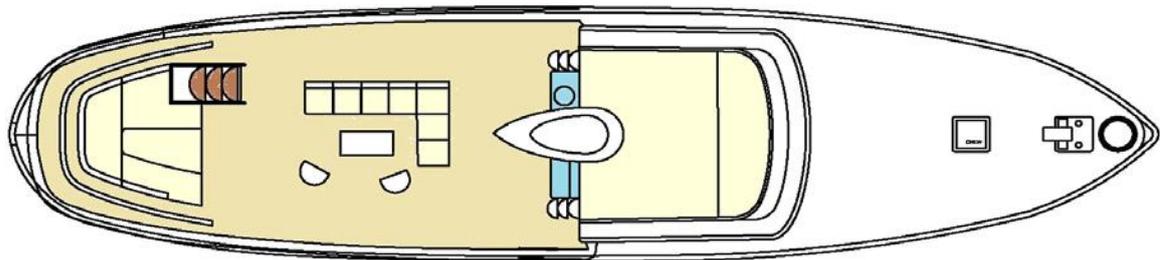
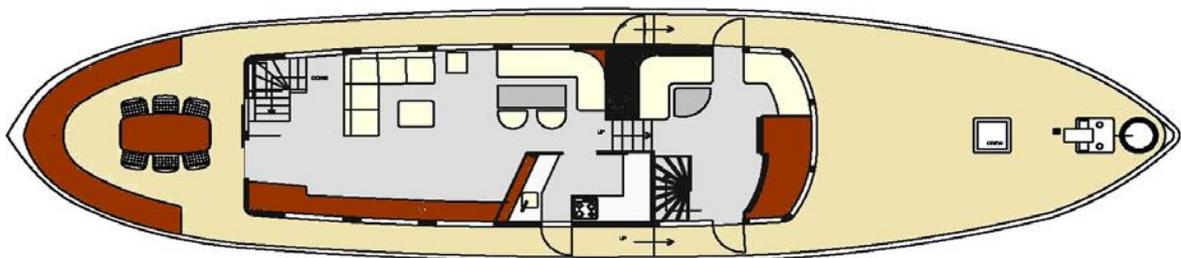
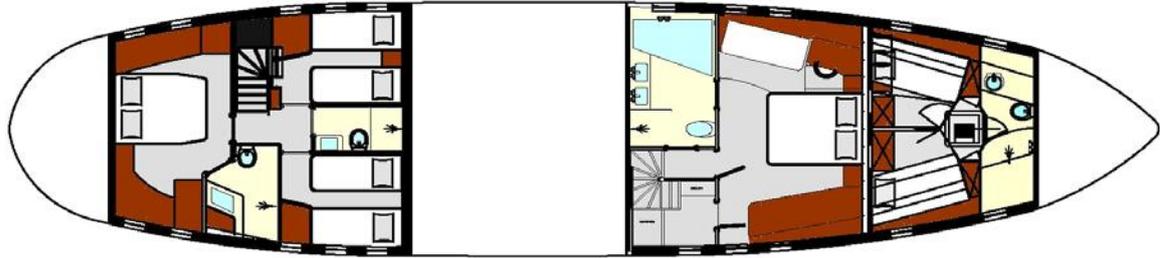


Underwater LED lights at stern, side and bow.  
Iridium satphone.  
HP wireless printer/scanner.  
On board wifi system.  
Smart phone/tablet/PC/MAC wireless connection to allow remote monitoring and switching of most of the systems.  
Retractable dashboard.  
EPIRB.

## **DECK EQUIPMENT**

Lofrans anchorwinch, with 2x 150KG anchors and 2x 100 meters 14mm chain. Fresh and sea water rinse system.  
Compressed air connection.  
Opacmare hydraulic deck crane.  
Williams 320 jet tender.  
Yamaha waverunner  
Aftdeck capstan 24 volts.  
2 x 6 persons Plastimo Liferrafts in fibreglass containers.  
Hydraulic retractable passarelle.  
4 x Fishing rod supports.  
Buell trumpet chrome air horn cluster  
Searchlight.  
Hot and cold shower main deck  
Hot and cold water shower/wet point upper deck.  
Upper deck water mist system.  
2 x fridges upper deck.  
1 x icemaker upper deck.

## **LAY-OUT**



## CHARTER

Displacement canoe-stern classic Gentleman's yacht, MCA commercial

### **Rates:**

Low Season (October to April): 33 000€ / Week  
High Season (May to September): 38 000€ / Week