

19.50m Motor Yacht



Principal Dimensions

| | | |
|----------------|---|---|
| LOA | = | 19.5 m |
| LWL | = | 17.324 m |
| Max Beam | = | 5.8 m |
| Draft | = | 1.2 m |
| Half Load Disp | = | 47.6 tonnes |
| Lightship Disp | = | 38.0 tonnes |
| Range | = | 1000 nautical miles |
| Top speed | = | 21 knots |
| Cruising speed | = | 17 knots |
| Engines | = | 2 x Caterpillar C12 715 HP |
| Gearbox | = | 2 x ZF 325-1A 2,5 : 1 |
| Diesel | = | 7500 litres |
| Freshwater | = | 2000 litres |
| Black water | = | 1000 litres |
| Grey water | = | 1500 litres |
| Construction | = | Steel hull with aluminium superstructure |
| Classification | = | RINA CE certificate Module "G" Category "B" |

Hull, deck and structures.

- The hull and deck will be built as per the specifications of Suntay Design.
- The hull, deck and structures will be built as per the approved RINA drawings.
- Hull to be constructed in steel and painted with International paint system
- Superstructure to be constructed in aluminium and painted with International paint system.
- Bulkheads material to be plywood except water-tight bulkheads will be steel.
- All extras such as, machine mounts, through hull fittings, and reinforcing webs as per Class and/or manufacturer specifications.

Interior Joinery

- The interior layout will be according to the design of the naval architect.
- The joinery will be constructed using veneer faced plywood and solid mouldings.
- The capping and fiddles shall be solid timber.
- Timber finish shall be coated with gloss varnish.
- Each cabin area will be finished according to the style the naval architect has specified.
- Head linings to be Velcro fitted fabric panels.

Fairing and painting

- Hull will be faired and painted using International paint system or similar quality.
- Color of hull to be owner's choice.
- One boot stripe allowed for.
- Hull shall be antifouled before launching.

Interior extras

- Light fittings, door handles, door latches and tap ware to be agreed upon by client and naval architect.
- Helm seats to be adjustable for height. Interior helm seat to be sofa type.

Steering system

- Custom-built rudders.
- Rudder bearings, stock, and Tiller to be specified by naval architect.
- Steering system to be Data Hydraulic system.
- Two stainless steel steering wheels.
- System to be hydraulic with manual emergency tiller.

Main Engine, Drive & Propeller Including noise, vibration and exhaust systems

- Main engines, twin Caterpillar C12 complete with ZF325-1A gearboxes.
- Propeller to be four bladed.
- Shaft, stern tube, and shaft seal to be supplied
- Struts to be custom designed by naval architect.
- Engine standard with 24 volt alternator.
- Engine exhaust to be COWLS dry silencer and underwater system and made of stainless steel pipes.
- Sound and vibration, 50mm Acoustop (AACM 50 BF) or equivalent combustion modified acoustic foam, foiled lined, fire tested and lined for protection.
- Water strainers, valves, elbows etc to be bronze.
- Side power dual prop bow thrusters to be installed.

Fuel System & Monitoring

- All fuel reticulation will be via stainless steel annealed tube and hydraulic fittings.
- Fuel shut-off valves to be stainless steel or bronze.
- Tankage to be integral steel. Capacity and details to be as per design.
- Deck fillers to be stainless steel and the caps will be distinguished by engraved letters.
- Fuel filtration via Racor filters.
- Tank level indicators to gauge to synoptic panel.

Electrical

- A specialised marine electrical company shall design and install the electrical installation.
- Westerbeke 16 KW generators.
- Custom built AC & DC switchboard.
- Shore power supply and 20 meter cable fitted.
- 24-volt distribution system supplied by the main service batteries.
- 24-volt distribution for engine cranking.
- 24-volt distribution for sensitive navigation and computer equipment.
- Battery charging, 24/50 Amp static charger.
- Service batteries, 500 amp batteries
- All cable and wiring to be run in cable trays and class approved type.

Electronic instruments

- Raymarine E80 Combined Radar / Chart plotter system to be installed on Fly bridge
- 17" LCD panel with remote operation keyboard to be installed in wheelhouse.
- Full Radar and chat plotting capability in both Fly bridge and Wheelhouse location.
- Raymarine VHF marine radio including DSC capacity with antenna to be installed.
- Raymarine instruments, boat speed, depth, GPS.
- Blaupunkt a Car stereo and a power amplifier and two BOSE 131 marine speaker to be installed on Fly bridge
- 19" Sony LCD T.V. to be installed every cabin with Philips DVD model DVP 5900
- 32" Sony LCD T.V. to be installed on salon with Marantz Amplifier and BOSE Acoustimass 6 Home theatre 5+1 speakers and subwoofer and Philips DVD model DVP 5900
- Compass fitted at steering stations.

Fresh Water System / Plumbing

- All water to be reticulated via Whale or equivalent water duct system.
- All pumps, fresh and salt water to be Johnson or equivalent.
- Two Isotherm hot water cylinder 40 litres fitted.
- Fresh water tanks to be integral steel. Capacity and details to be as per design.
- Deck showers fitted. One in fwd anchor locker. One at stern platform.
- Two fresh water pressure pumps, capacity 16 L/min.
- Fresh water fittings on deck.
- One reverse osmosis water maker will be fitted make Aqua-set capacity of 3000L/day

Bilge and Fire Fighting System

- Fixed fire extinguishing system in the engine room
- Manual bilge pump mounted in cockpit locker.
- Five portable extinguishers
- Five separate electric bilge pumps both manual & float switch operated, audible alarm fitted to all automatic bilge pumps.
- Fire flaps to close engine room air ducts. (Manual operation)

Sanitation

- Four Tecma marine heads fitted
- System to use odor safe hose and HDPP Geberitte pipes.

Galley

- A Electrolux dishwasher to be installed as built-in type.
- Counter tops to be Policore.
- Franke Stainless Steel double Sinks to be installed.
- Four burner stove with microwave oven to be installed make Electrolux.

Refrigeration and Air Conditioning

- One fridge and one freezer to be installed make Electrolux
- MarineAir or equivalent 80,000 BTU central chilled water air conditioning systems to be installed.

Deck equipment

- Deck hatches to be custom teak and glass.
- Superstructure windows to be toughened glass with thickness to suit approved design.
- Portholes to be double pane with toughened glass
- Mooring bollards, 4 stainless steel.
- Four through hull bow/mid fairleads. Two vertical roller transom fairleads.
- A hydraulic operated Tenderlift removable swimming platform to be installed at transom.

Ground Tackle and Anchor Storage

- The primary anchor will be a Bruce type 65 kg stainless steel anchor with 110 meter 12 mm chain.
- Hydraulic windlass to be solid stainless steel Data DZC 1000 type.
- Two hydraulic capstans at transom to be solid stainless steel Data DHC 1000 type.
- Hydraulic power comprising two hydraulic pump hard couple to main engines and 2,5 kW 24 DC electric motor driven pump for shore and emergency usage

Stanchions

- Custom 316 stainless steel bow to stern 32mm diameter stanchions/ rail.
- Custom 316 stainless steel hand rails fitted to fly bridge, incorporating awning system.

Mast

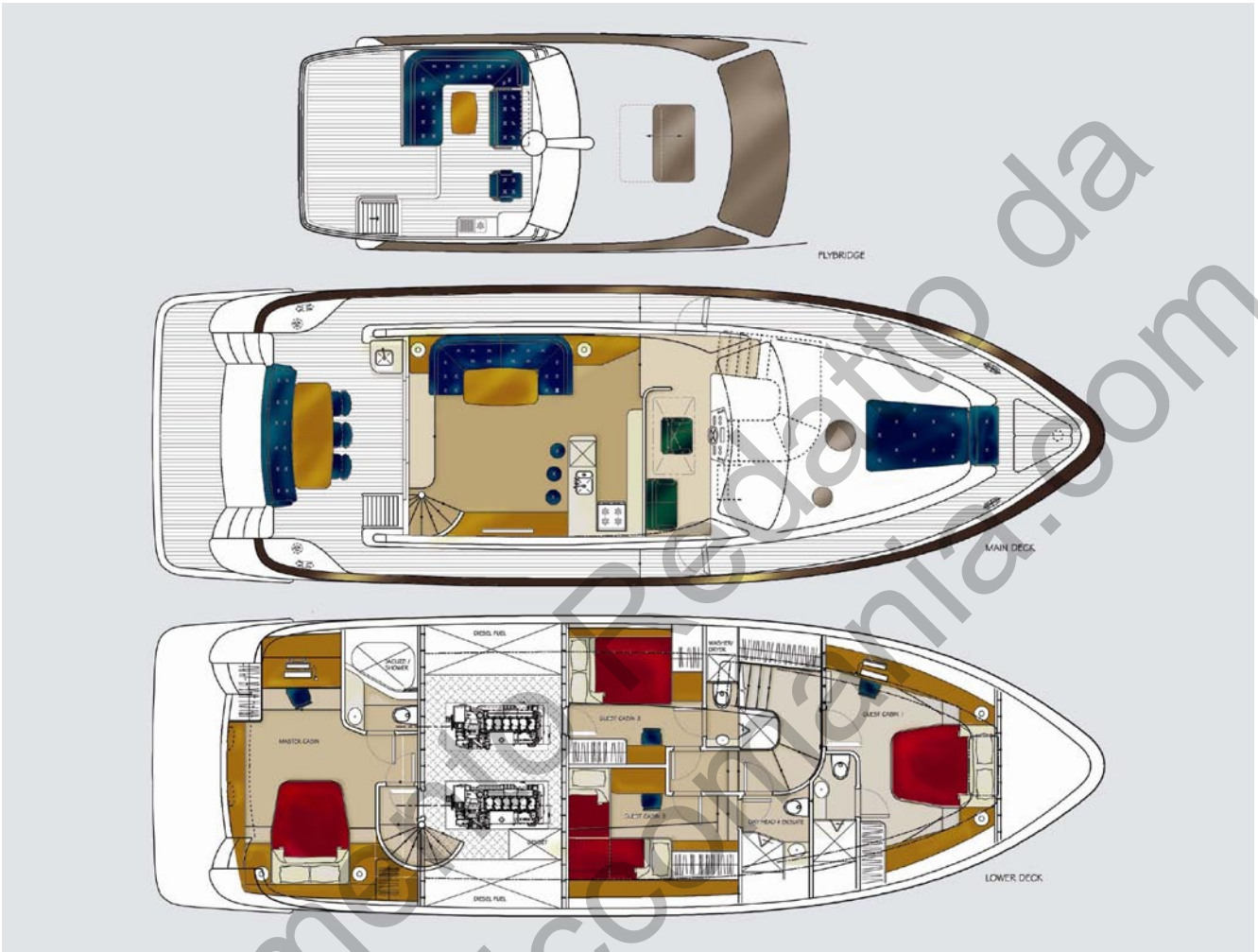
- Mast constructed in aluminum.

Upholstery

- Bunk mattress to be 7" foam and material covered.
- All cushions to be covered in a material and color of owner's choice.
- The headlines shall be Majellite or similar sued and fastened by Velcro.

Miscellaneous

- Basic cradle for shipping and hard stand use.
- Construction insurance
- Compliance to the European Union's RCD.
- Fuel and insurance to be included for trials



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