

19,40. MODERN LINE NAVETTA

TECHNICAL SPECIFICATIONS & STANDART EQUIPMENT LIST

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1 - DIMENSIONS AND MAIN CHARACTERISTICS

Length Overall	19,4 m.
Beam	5,5 m.
Draft (full load)	1,8 m.
Displacement (full load)*	70 tonne*
Fuel Capacity	6500 lt.*
Fresh Water Capacity	2500 lt.*
Gray Water Capacity	750 lt.*
Black Water Capacity	750 lt.*
Crusing Speed	15 knots*
Max Speed	25 knots*
Engines	2 x 1000 HP MAN*

The performance characteristics given here are due to standart equipments and calm sea and weather conditions.

2 - GENERAL HULL DETAILS

- All the materials will be supplied from the Turkish market
- The hull and deck construction material will be Marine grade steel ABS 95 Gr A.
- The superstructure will be painted marine plywood.
- In the interior construction mahogany veneered plywood will be used.
- Cabin seperation walls will be pine wood karkas and 30mm of rockwool or foam for Sound and heat isolation and planked with akaju veneered plywood.
- Cabin ceilings will be light weight material.
- The Decks will be iroko planked.
- All the window will be Aluminum framed 6mm securit glass.

3 - INTERNAL LAYOUT (Will be changed according to plan)

The living area of the yacht consist of ;

- 3 Guest cabins ; 1 master cabin
 - 2 comfortable double cabins
- 1 Saloon, dining area and a general use Toilet
- 1 Galley
- 2 Helm area ; 1 in the saloon, 1 at sun deck
- 1 Crew Cabin
- 1 Seating Group on sun deck.

3.1 DOUBLE CABINS (Each of them)

- 2 single beds; 0,85m. x 2m.
- Storage place hidden under the bed.
- 1 Wardrobe with drawers
- 1 Opening type Aluminum porthole.
- 1 220 volt socket
- Light Fixtures (2 on the ceiling, 2 reading light)
- Cabin ceilings will be light weight material.
- Cabin floor will be painted plywood and will be carpet furnished.
- 1 Bathroom with;
 - 1 sink
 - 1 tap
 - 1 locker
 - 1 mirror
 - 1 Shower place with shower tap
 - 1 Yacht type normal size electrical toilet
 - 1x220 volt socket
 - Light fixtures (1 on the ceiling)
 - 1 Opening type Aluminum porthole.

3.2 MASTER CABIN

- 1 big size double bed 1,8m. x 2m.
- Storage place hidden under the beds.
- 1 Big Wardrobe with drawers
- 1 Bookshelf
- Sofa
- 3 Opening type Aluminum porthole.
- 1 make-up table
- 2x220 volt socket

- Light Fixtures (3 on the ceiling, 2 reading lights)
- Cabin ceilings will be light weight material.
- Cabin floor will be painted plywood and will be carpet furnished.
- One access to the bilge
- 1 Bathroom with;
 - 1 sink
 - 1 tap
 - 1 locker
 - 1 mirror
 - 1 Shower place with shower tap
 - 1 Yacht type normal size electrical toilet
 - 1 220 volt socket
 - Light fixtures (1 on the ceiling)
 - 1 Opening type Aluminum porthole.

3.3 SALOON & DINING AREA

3.3.1 SEATING AREA

- 1 Big U-Shape Seating group for 8 Person
- 1 Smaller seating group for 5 person
- 1 Table
- Storage place hidden under the seats.
- 2x220 volt socket
- Light Fixtures (2 on the seating group, 3 on the ceiling)
- Cabin ceilings will be light weight material.
- Floor will be painted plywood and will be carpet furnished.

3.3.2 TOILET FOR GENERAL USE

- 1 Closet (yacht type, normal size electrical toilet)
- 1 Stainless steel sink (29cm. diameter)
- 1 tap
- 1 220 volt socket.
- 1 Locker
- Light fixtures (1 on the ceiling)
- 1 Mirror
- Cabin ceilings will be light weight material.
- Floor will be plywood covered with polyester.

3.4 GALLEY

- One opening/shelf for serving food from the galley.
- 1 working bench (stainless steel)
- 1 stainless steel sink.
- 1 kitchen tap
- 1 Home type electrical cooker and oven
- 1 Galley Aspirator (220 volt)
- 1 Refrigerator (220 volt, home type)
- 1 Microwave oven
- 1 CO2 fire extinguishing bottle (2 kg)
- 3x220 volt socket (one for the refrigerator, 1 for the furnace 1 for spare)
- Light Fixtures (1 on the bar, 1 on the work bench, 1 on the ceiling)
- Ceilings will be lightweight material.
- Floor will be painted plywood and will be carpet furnished.

3.5 HELM AREA

- 1 Stainless steel Wheel, 80cm diameter
- 1 Navigation table
- 1 Map light
- 1 Thermometer&barometer set
- AC-DC Electric Switch and circuit breaker panel (Aluminum frame)
- 1 Control panel
- 2 Gas lever arm
- 1 Windlass control (up-down button)
- 1 Horn
- 2 Buttons for the engine stop
- 1 Wire arm in order to activate the windlass hydraulic pump
- 1 CO2 fire extinguishing bottle (2 kg)
- 2x220 volt socket
- 2 Access door to the deck
- Light Fixtures (2 on the control table, 1 on ceiling)
- Ceilings will be lightweight material.
- Bottom will be painted plywood.

3.7 CREW CABIN

- 2 beds(bunk type); 0,7m. x 2 m.
- Storage place hidden under the bed.
- 1 Wardrobe

- 1 Opening type Aluminum porthole.
- 1x220 volt socket
- Light Fixtures (1 on the ceiling, 2 reading light)
- Ceilings will be lightweight material.
- Cabin floor will be painted plywood and will be carpet furnished.

4 - DECK LAYOUT

There will be 2 decks on the yacht; one of them is the main deck(weather deck) and the other is the fly bridge

4.1 WEATHER DECK

- The deck steel will be strengthen where needed (under the bollards and windlass)
- Guard rails (steel pipe)
- Navigation lights set (Port, starboard, bow, stern, anchor lights.)
- Deck will be iroko planked.
- There will be 4 bollards with adequate sizes; 2 at the front, 2 at the aft
- Windlass will be Turkish Brand 'DATA' DZC1002 H with 12mm. Gipsy (12 volt)
- 1 Chain locker (bottom will be polyester coated plywood)
- 1 Chain locker Access (steel)
- 1 Anchor (100kg, Galvanised)
- 1 Anchor (100kg, Galvanised)
- 1 12mm and 100m. (galvanised and calibrated)
- 1 12mm and 100m. (galvanised and calibrated)
- 1 Pasarella (4m. long and made from wood)
- 1 Suction head for dirty water (gray/black and bilge)
- 2 Fuel inlet
- 1 Fire hose outlet
- 1 Deck shower
- 1 Fresh water inlet
- Deck lights (2 piece)

4.2 FLY BRIDGE

- Second Control panel with ;
 - Gas lever arm for both engines
 - Engine displays (oil, temp, rpm.)
 - Stainless Steel Wheel (80cm. diameter)
 - Control button for the windlass

- Control button for bow-thruster
- Control button for stabilisers
- 1 Seating group for 8 person
- Guard rails (steel pipe)
- 1 Jet/chimney for equipment and antenna mounting
- Deck lights (2 piece)

5 - INSULATION

- There will be 30mm of Rockwool for sound and heat isolation between the cabins.
- 50mm. of rockwool on the hull side of the living areas.
- 50mm. of rockwool for the salon ceiling
- 50mm. of rockwool for the engine room ceilings and bulkhead.

6 - ELECTRIC SYSTEM

- All the electric cabling will be done by the yard. (Except the extra equipments.)
- There will be both 12 or 24 volt and 220 volt electric systems on the boat.
- 2 x16 kW capacity Generator, Onan or equivalent.(as a 220 volt source)
- 7 Piece of 200Ah battery (1 for engine start)
- 2 Piece of 90 Ah battery (for generator start)
- 1 Battery charger (200 Ah, 12 volt)
- Invertor (2000 Watt, 12 volt)
- 1 Alternator (engine mounted battery charging device)
- 1 Isolation transformer 32A
- 1 Electric main switch
- 1 Shore plug (with 50m. shore cable)
- AC-DC Electric Switch and circuit breaker panel (it is mentioned before, in the helm area section) (with all the fuses, ampermeter and voltmeter and a selector switch)
- AC-DC Electric Distribution panels (in the engine room)
- Zinc Anodes (Enough number for the boat size, 2 piece for the shaft)

7 - PLUMBING & WATER SYTEM

- All the Piping in the engine room will be galvanised steel (Except the fuel hoses)

- All the other piping will be thermoplastic.
- All valves will be ball valf
- There will be hot and cold fresh water system in the boat.
- 1 Fresh Water pump (12 volt, adequate size)
- 1 Engine driven pump (12 volt, multi-purpose for fire/deck washing system, bilge discharge, and gray/black water discharge)
- 2 Macerator pump (220 volt and for black and gray water discharge)
- 3 Seperate submergible bilge pumps for each cabins(with their automatic switches)
- 1 Water heater (75 lt. capacity, 220 volt)

8 - TANK CAPACITIES

tank capacities will be as follows;

- | | |
|-----------------------------|-----------|
| ➤ Fuel Capacity | 6500 lt.* |
| + daily tank for clean fuel | |
| ➤ Fresh Water Capacity | 2500 lt.* |
| ➤ Gray Water Capacity | 750 lt.* |
| ➤ Black Water Capacity | 750 lt.* |

9 - ENGINE ROOM

- 2 x 1280 HP MAN
- Steel engine foundation for the engines
- 4 Engine mounts for each engine(rubber vibration control)
- Engine Exhaust systems will be as follows
 - 2 Water lock
 - 2 Expansion joint
 - Adequate size exhaust hose, steel pipes and stainless steel clamps
 - Stainless steel elbow at the hull for discharge.
- Generator Exhaust systems will be as follows
 - 2 Water lock (will be made by the yard or to be bought)
 - Adequate size exhaust hose and stainless steel clamps.
 - Stainless steel elbow through the hull for discharge.
- Fuel level display. A hose with a push-up button or an equivalent system.
- 4 Separ type fuel Filter/separator 2 for the engine and 2 for the generator.
- 4 Sea Water Filter 2 for the engines and 2 for the generators.
- Engine room floor will be checkered plate.
- Aluminum plate cover to the bulkheads
- 2 Access for the engine room.(One for daily use, one for emergency case)
- 2 electrical blowers, with shut-off valf.

- 2 220 volt socket.
- 4 Engine room lights
- 1 work bench for utensils.

10 - PROPELLER & SHAFT SYSTEM

- 2 Propeller
- 2 Propeller end stud, bronze
- 2 Stainless steel shaft
- 2 Steel Stern tube (Water lubricated Rubber bearing fitted inside)
- 2 Deep-sea seal, Turkish brand 'ERMAKSAN' or equivalent.
- 2 Flexible coupling for shaft-engine connection.

11 - RUDDER SYSTEM

- Rudder mechanism will be Turkish brand 'DATA' Electro hydraulic type hydraulic system
- 2 Rudder (steel plate)
- 2 Stainless steel shaft
- 2 Steel shaft tube
- 2 Bronze stuffing box and gland
- 2 Rudder holding system and steel foundation for the rudder
- 1 Emergency tiller (steel)

12 - PAINT

- All steel construction will be sand blasted and painted with Jotun Epoxy Holding Primer.
- All the paint & epoxy system will be Turkish brand 'Sar Kimya' or 'Teknomarin'
- All the interior furniture will be varnished.
- The superstructure outside walls will be painted.
- The decks will be painted with non-slip paint.
- The underwater body of the hull will be painted antifouling undercoat and paint.

13 - NAVIGATION EQUIPMENTS / ELECTRONICS

- Auto pilot
- Stabiliser
- 48m. Radar
- Bow thruster
- GPS + Chart plotter
- Speed / Depth Indicator.

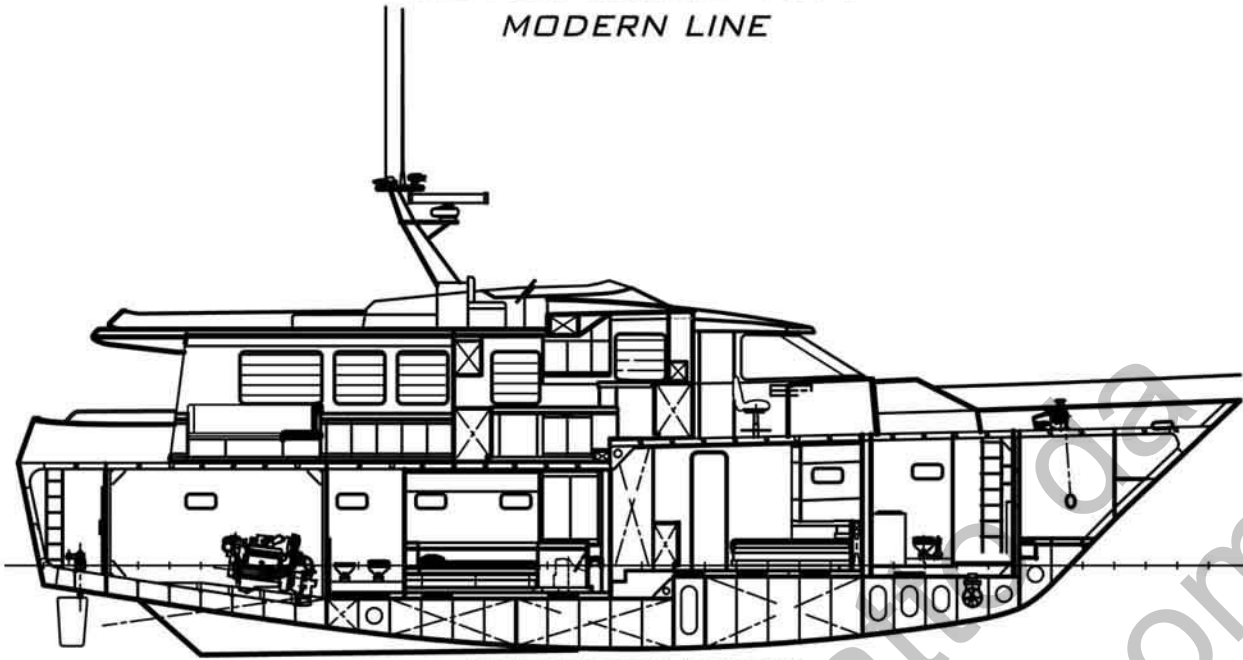
14- MISCELLANEOUS

If it is decided to take any Classification or CE marking the extra cost will be added to the total price.

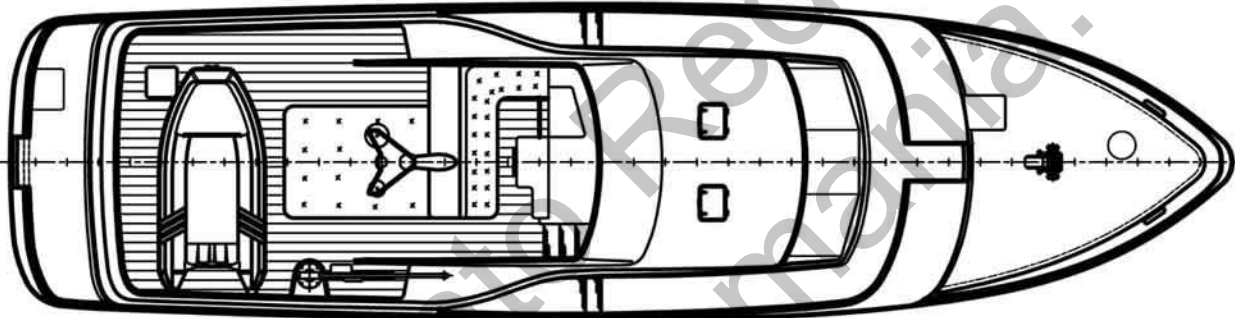
- The items below are included in the price and/or they are the due of the yard.
- Cargo and Transports (except the extra equipment and materials)
- Transportation insurances (except the extra equipment and materials)
- Custom formalities
- Project of the boat
- Yacht insurance
- Launching of the boat

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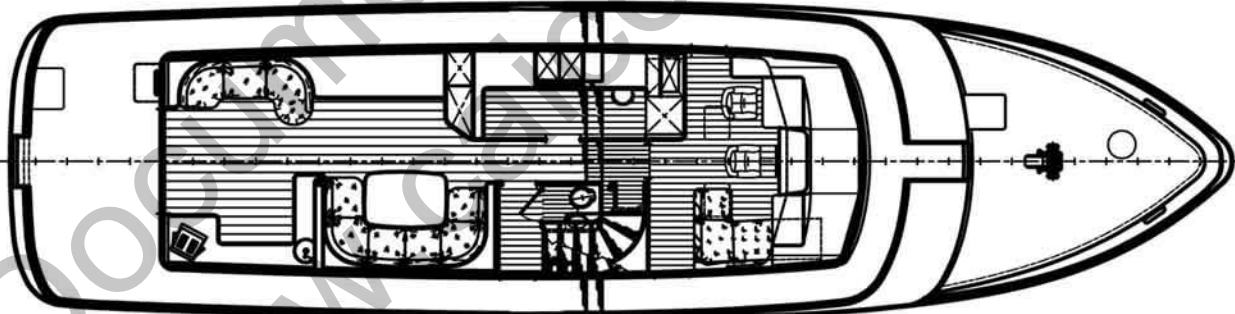
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MODERN LINE



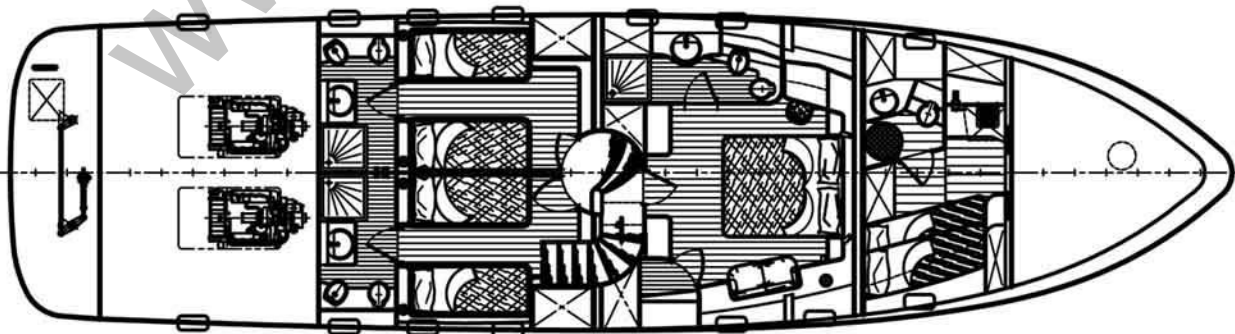
LONGITUDINAL SECTION



PLAN VIEW
SKY LOUNGE



PLAN VIEW
MAIN DECK



PLAN VIEW
LOWER DECK

