

Technical Characteristics of the Motor Yacht

Project FMY 1800; Model #601

1. LOA: 65ft - 19,8 m
2. Beam: 18ft - 5,4 m
3. LWL: 15ft - 15,4 m
4. Draft: 2.5ft – 0.75 m
5. Displacement : 64,000lbs - 29 ton
6. Hull Configuration: Deep Vee
7. Engines S60MTU – 2x740hp or 2x825hp
8. Maximum Speed - 30 knot
9. The economic speed - 22-24 knot
10. Fuel stock – 845gal.
11. Fresh water – 200gal
12. Holding tank -- 150gal
13. Cruising range : speed 22-24 knot - 500 miles
14. Passengers: 6 + 2
15. State Rooms 3 (One State Room is Convertible Office)
16. No. of Heads: 2+1 (Day Head)

Construction of the Hull

The Hull of yacht is made from the corrosion-resistant Aluminum - Magnesium alloys AMG-5[M] (1550), which have the following strength characteristics: - the ultimate tensile strength R, mPa - 274,4 - the yield point $\sigma_{0,2}$ - 127,4 - the modulus of resistance of welded joint - 0,9

Yacht is built under the supervision BUREAU VERITAS to the class I 3/3+HULL+MACH yacht/AL.

Frame space throughout the entire length of yacht - 500 mm

Thickness of sheet: - bottom - 5 mm; boards - 4 mm; deck - 4 mm; bulkheads - 4 mm; Transom - 5mm; superstructure - 3-4 mm.

Seaworthiness:

The seaworthiness of yacht ensures its safe floating at any heading angles and on complete engine revolutions during the agitation to 4 marks, inclusively (significant wave height 1,5 m)

Region of the Floating:

Sea regions, without the limitation from the place of the refuge.

Anchors, anchor hawses, mooring hawses, bits, groove laths, cisterns of drinking water, hand rails are made of the stainless steel. Hand rail is attached to the housing through the containers, which allows, if necessary, easily to dismantle and to perform repair. Yacht is equipped with electrolytic protector (adjustable protection). A protector of the type [PROM]-3, prepared from magnesium alloy, and reference electrode making it possible to carry out adjustment [potential] depending on the salinity of water – (950mA +150 mA). The hull of the yacht is divided into four watertight sections, which makes possible to be located on float with the complete flooding of one section. Guarantee to the Hull is 10 years.