



## **DOLPHIN V1**

### **SEA HYDROFOIL BOAT PROJECT 14624**

#### **BASIC FUNCTIONS**

The boat is designed for water-based recreation and as a general-service boat. The possibility of skier or parachutist towing.

#### **CLASSIFICATION**

State Inspectorate for Small Vessels

#### **OPERATION REGION AND CONDITIONS**

Littoral areas of seas, the distance from coast is up to 3 miles and from a harbor of refuge is up to 20 miles, in inland waterways by State Inspection of Small Vessels agreement.

Maximum outside air temperature +35°C.

Relative degree of air humidity of up to 70% at +35°C.

Outside water temperature +30°C.

If the mentioned conditions are over limits, the hydrofoil boat can be used with decreased technical characteristics.

#### **SEAKEEPING**

Foilborne,  $h_{w3\%}$  - 0.5 m (with speed of 35-40 knots).

Hullborne draft,  $h_{w3\%}$  - 1.25 m - up to 3 balls (with cruising speed 8-10 knots) – safety cruising.

#### **MAIN ENGINES**

Type of main engine: diesel / gasoline motor STEYR MOTORS, MERCURUISER

Total power max: 1 x 270-280 hp

Cruise fuel consumption: up to 45 l/h.

Propulsion device: stern drive MERCURY BRAVO III (СЛИА)



#### **TECHNICAL SPECIFICATIONS**

Length overall, m	10.6
Beam overall, m	2.5
Depth overall, m	1.6
Hullborne draft / Foilborne draft, m	1.1 / 0.5
Full displacement, t	3.5
Passengers	7
Crew	1
Speed at smooth water, knots (km/h)	45 (85)
Maximum range by fuel reserve, miles (km)	150 (280)