



## **DOPHIN V2**

### **HIGH-SPEED HYDROFOIL BOAT PROJECT 14625**

#### **BASIC FUNCTIONS**

The boat is designed for water-based recreation and as a general-service boat.

#### **CLASSIFICATION**

State Inspectorate for Small Vessels

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

Littoral sea and inner water basins as agreed with State Inspection of Small Vessels (excluding winter operation). The normal hydrofoil exploitation is provided by design climatic conditions, which are not above followers:

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,  $h_{w1\%}$  - 0.5 m (wind force three).

Hullborne draft,  $h_{w1\%}$  - 1.2 m.

#### **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 50 l/h.

Propulsion device: stern drive MERCURY BRAVO III (CJJJA)



#### **TECHNICAL SPECIFICATIONS**

Length overall, m	10.4
Beam overall, m	2.5
Overall height with foils and mast, m	3.14
Hullborne draft / Foilborne draft, m	1.48 / 0.5
Full displacement, t	up to 4.3
Passengers	7
Crew	1
Speed at smooth water, km/h	up to 85
Maximum range by fuel reserve, km	250