51, St. Svoboda, Nizhny Novgorod 603003, Russia tel: +7 (831) 229 14 90 fax: +7 (831) 273 02 48 e-mail: alekseev@ckbspk.ru

29 A, Alpiyskiy lane, Saint Petersburg, 192286, Russia tel: +7 (812) 331 63 56 e-mail: alekseev-spb@ckbspk.ru



DOPHIN V2

HIGH-SPEED HYDROFOIL BOAT PROJECT 14625

BASIC FUNCTIONS

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

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

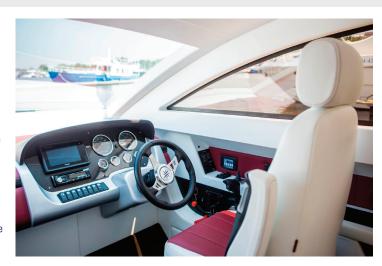
Foilborne, $\rm h_{w1\%}$ – 0.5 m (wind force three). Hullborne draft, $\rm h_{w1\%}$ – 1.2 m.

MAIN ENGINES

Type of main engine: diesel $\/$ gasoline motor STEYR MOTORS, MERCRUISER

Total power max: 1 x 270-280 hp Cruise fuel consumption: up to $50 \, l/h$.

Propulsion device: stern drive MERCURY BRAVO III (CLIIA)



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

ALEXEEV'S HYDROFOIL DESIGN BUREAU

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