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DOLPHIN V4

HIGH-SPEED HYDROFOIL BOAT

BASIC FUNCTIONS

The boat is designed for water-based recreation and as a general-service boat. High-speed passenger transportation.

CLASSIFICATION

State Inspectorate for Small Vessels

OPERATION REGION AND CONDITIONS

Coastal marine waters with maximum distance from a shore is up to 3 miles and a harbor of refuge in open sea is of up to 20 miles, inner waterways by agreement with State Inspection of Small Vessels.

Maximum outside air temperature +35°C.

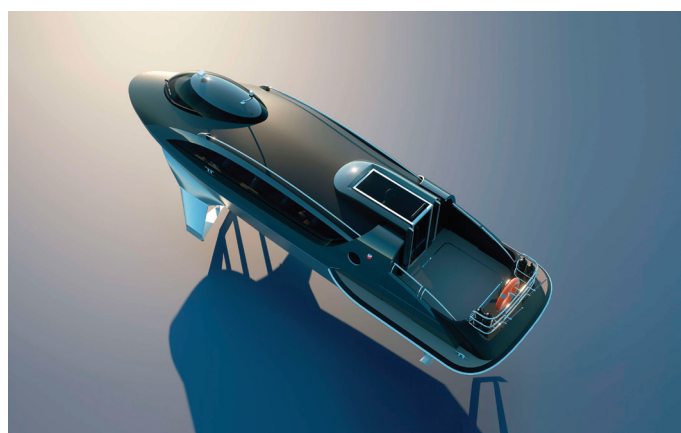
Relative degree of air humidity is 70 % at +35°C.

Outside water temperature: +30°C.

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 of 8-10 knots) – safety cruising.



TECHNICAL SPECIFICATIONS

Length overall, m	10.6
Beam overall, m	2.5
Depth overall, m	3.2
Draft overall hullborne / foilborne, m	1.1 / 0.5
Full displacement, t	4.3
Cruising speed, knots (km/h)	45 (85)
Passengers	10
Crew	1
Maximum range, miles (km)	150 (280)