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# **SAGARIS**

### HIGH-SPEED HYDROFOIL BOAT PROJECT 03150

#### **BASIC FUNCTIONS**

- · performance of patrol and police functions,
- delivery of special groups to the disaster and evacuation zones;
- monitoring of vessels' compliance of the established navigation mode at inland waterways, in ports and in coastal areas of the seas;
- used as a medical ambulance boat in hard-to-reach areas;
- · used as a pleasure boat for extreme river and sea walks.

#### **SEAKEEPING**

The boat is designed for operation in coastal marine and inland water basins:

- $h_{w1\%}$  up to 0.1 m in the foilborne mode at a speed of 110 km/h;
- $h_{w1\%}$  up to 0.5 m in the foilborne mode at a speed of 70 km/h;

### **MAIN ENGINES**

Type: MERCURY RACING (USA)
Total power max: 1 x 520 hp
Cruise fuel consumption: 70 l/h

Propulsion device: stern drive MERCURY BRAVO III (USA)



# **TECHNICAL SPECIFICATIONS**

Length overall, m  Beam overall, m  2.7  Depth overall, m  Draft, m in foilborne mode at speed 65 / 110 km/h overall in hullborne mode  Displacement full / light-ship weight, t  Speed, km/h  Passengers  Crew  1  Cruise range, km  10.5  2.6  0.58 / 0.45 0.45 0.47 / 3,24  4,17 / 3,24  5  Crew  1  Cruise range, km		
Depth overall, m  Draft, m in foilborne mode at speed 65 / 110 km/h overall in hullborne mode  Displacement full / light-ship weight, t  Speed, km/h  Passengers  Crew  2.6  0.58 / 0.45 0.45 1.12  4,17 / 3,24  4,17 / 3,24  5peed, km/h  up to 110	Length overall, m	10.5
Draft, m in foilborne mode at speed 65 / 110 km/h overall in hullborne mode  Displacement full / light-ship weight, t  Speed, km/h  Passengers  Crew  1  0.58 / 0.45 1.12 4,17 / 3,24 4,17 / 3,24 5,24 5,25 5,27 5,27 6,28 6,38 7,38 7,38 7,38 7,38 7,38 7,38 7,38 7	Beam overall, m	2.7
in foilborne mode at speed 65 / 110 km/h overall in hullborne mode  Displacement full / light-ship weight, t  Speed, km/h  Passengers  Crew  0.58 / 0.45 1.12 4,17 / 3,24 4,17 / 3,24 5,24 5,25 4,17 / 3,24 5,26 4,17 / 3,24 5,27 4,17 / 3,24 5,27 6,27 6,27 6,27 6,27 6,27 6,27 6,27 6	Depth overall, m	2.6
Speed, km/h up to 110 Passengers 5 Crew 1	in foilborne mode at speed 65 / 110 km/h	•
Passengers 5 Crew 1	Displacement full / light-ship weight, t	4,17 / 3,24
Crew 1	Speed, km/h	up to 110
Citow	Passengers	5
Cruise range, km 1000	Crew	1
	Cruise range, km	1000

# ALEXEEV'S HYDROFOIL DESIGN BUREAU

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