



Serna

Mission

The Project 11770E Serna air-cavity fast landing craft in wartime is designed for over-the-beach landing of combat and military tracked and wheeled vehicles, as well as forward assault units.

In peacetime, the boat can be used to deliver equipment, cargo and troops to the points of the seacoast to a distance of 600 miles.

Features

The Project 11770E Serna landing boat has improved design and seaworthiness through the use of corrosion-resistant alloys, extruded sections and panels, and a powerful power plant.

The boat is equipped with an integrated movement and facilities management system.

The feature of the Serna landing craft is that an air cavity, an artificial air gap with overpressure, is created under its bottom as it moves. The cavity isolates a large portion of the hull from contact with water, thus achieving a significant reduction in resistance and providing a speed of 30 knots, as well as reduced fuel consumption.

It can transport cargo and equipment up to 45 tons at 30 knots in sea point up to 2 (at 27 knots in sea point up to 3). The sea-going capacity is limited by sea point 5.

Armament

- 7.62mm PKMB machine gun (4 pcs.);
- Igla MANPADS (4 pcs.).

Main characteristics:

- Full displacement, t: 105
- Basic dimensions, m:
 - overall length: 25.6
 - overall beam: 5.8
 - midships depth: 2.9
 - full draft: 1.52
- Carrying capacity, t: 45
- Main propulsion plant: two-shaft diesel unit consisting of two M503-A3 diesels, 2x2,200 kW (2x3,000 hp)
- Electrical power system: 2 x DGR1A-16/1500 diesel-generators



- Propulsors: 2 x four-bladed vented fixed-pitch propellers
- Full speed in calm water, full displacement, knots: 30
- Cruising range with landing load of 45 tons and speed of 30 knots, n.m.: up to 600
- Endurance, days: 1
- Complement: 4







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