

عنوان مقاله:

(The common design philosophies of elevating complex SES (Surface Effect Ship

محل انتشار:

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خلاصه مقاله:

Elevating complex SES is one of the most important complex of this ships, ensuring a set speed of course of a vessel. From as far as his concept will be correctly chosen, many project parameters of a vessel depend: a draft, cargo capacity, installed power per employee, a construction of bow and stern flexible skirts, parameters of a delivery complex. The structure of elevating complexes of an air cushion includes such elements: fans with engines; skegs; flexible skirts (flexible skirts - bow and stern); air ducts; rigid receivers; handlers in parameters of airstreams. In the report such common design philosophies of an elevating complex are considered: Designing of air compressing systems in solepiece SES depending on displacement and lengths of a vessel, and also his seaworthiness; In what cases the preference to a channel air compressing system in an air cushion is given; In what cases stern flexible skirt with cuts in their shell and in what are applied such as SEAL BAG are applied; Design philosophies of condensation between a face part of flexible skirt and a case of skegs with the purpose of reduction of an air delivery from flexible skirt and an air cushion; Principles of accommodation of delivery installations on a vessel with the purpose of effective providing by air of an air cushion. Now there is no legalized classification of air compressing systems in an air cushion of a SES depending on its displacement, a length and seaworthiness. However there is a classification of elevating complexes on design features of flexible skirts. There is a classification of a flexible skirt[0]. But, despite lacking such classification, depending on displacement of a SES it is possible to outline such three groups of vessels: At displacement up to 89 tons – small SES or a motorboat; At displacement from 89 tons up to 899 tons (sometimes ;99 tons) – average SES; At displacement from above 899 tons – the big SES. Sometimes pool small and average SES in .one group. Depending on a navigation area of a SES share on marine and river

کلمات کلیدی:

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