

The invention relates to the vessels on air cushion, in particular to their lift complexes. A vessel contains a rigid hull, which has a pontoon with a built-in receiver and a superstructure with built-in vertical shafts of axial-flow compressors. The shafts are formed by internal and external shells with vertical stiffening ribs and are located in separate onboard sections. In each shaft a working wheel with the shaft, guiding and straightening apparatuses are located. Blades of straightening apparatus are rigidly connected with the shells of shaft and with a bushing of the shaft of impeller. In the lower part of each shaft a bevel gearbox with output shaft and foundation on the platform of built-in receiver is located. The connection of internal and external shells of the lower parts of vertical shafts with a platform of built-in receiver and a deck of the pontoon of vessel is rigid and it is strengthened by briquettes. The upper part of each shaft penetrates the cut to the upper deck of the superstructure of vessel with a guaranteed design gap. The air ducts of the shafts of axial-flow compressors are made separately and are located above guiding apparatus. Their lower ends contact with elastic loop-shaped seals on the upper parts of external shells of shafts. The vertical axes of axial-flow compressors are located at distances of 0.35 and 0.65 of the length of hull of the ship, which ensures minimum operational deformations of the hull in the places. The invention contributes to decrease of the mass of vessel, to increase of its resource and to reduction of its cost.