

THE MAIN TRENDS OF ARMORED PERSONNEL CARRIER STRYKER IN THE COMPONENT SOLUTIONS DEVELOPMENT

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The use of combat armored vehicles enables the unit to more successfully perform a number of tasks assigned by the state. Thanks to the constant development of military science and Ukroboronprom, the army of Ukraine is equipped with various types of armored weapons and equipment. One of the types of armored combat vehicles is an armored personnel carrier. It is designed for the transportation of personnel of mechanized units of the ground forces and their fire support in battle, with the ability to perform its functions around the clock in warm and cold climate zones, regardless of the season, weather conditions, when operating on roads with different surfaces and in off-road conditions. In 2023, the United States of America delivered to Ukraine the first batch of Stryker armored personnel carriers (70 - the classic version of the M1126 and 20 armored personnel carriers with anti-mine rollers of the M1132 version). The Stryker APC is an armored combat vehicle that meets the needs of infantry units in terms of transporting troops to the front line, while providing fire support. The Stryker armored personnel carrier was developed by representatives of two countries at once, namely Switzerland and Canada, the production belongs to American military specialists [1].

Thus, at the beginning of the new millennium, the Stryker armored combat vehicle appeared, which was supposed to cover the needs of the American army in providing infantry units with armored vehicles, from now on this armored personnel carrier will cover the needs of the Ukrainian army. The machine immediately received positive evaluations during the execution of tasks from the landing units in all areas of the front. They perfectly ensure the delivery of the crew to the hot spots of the battle, resistant to mines and high-explosive weapon attacks. Stryker vehicles have excellent off-road capabilities and at the same time successfully perform tasks in urban areas. The capabilities of the Stryker armored personnel carrier are impressive, because unlike heavy American weapons, these machines can be transported by plane. It is called all-weather armor, because the Stryker armored personnel carrier is able to protect against bullets and provide fire support on any difficult terrain. The Stryker armored car is significantly better than the M113, and in terms of effectiveness, it can lose only to Abrams or Bradley (if compared between American ones) [2].

References:

1. Gordon L. Rottman (July 25, 2006). Stryker Combat Vehicles (New Vanguard, 121).
2. James M. Warford (2022). Stryker Interim Armored Vehicle: Its Variant's Development and Deployment». Publication ID: Nr. 3050.