



SUMADIJA

Modular Self-Propelled Long-Range Multiple Launch Weapon



SUMADIJA is a weapon intended against important enemy point and area targets, and against time critical targets (owing to the critical time response) such as ground-to-ground rocket systems, air defense systems, airports, heliports, concentration areas, military bases, training camps, logistics centers, harbors, concentrated troops, important military infrastructure facilities, command centers, communication centers etc.

The weapon is integrated in the modern network central battlefield through its command-information system, navigation system and fire control system. The system features a short transition time from traveling to combat position, and an extremely short time for leaving the battleground.

The system is capable of launching four rockets against one or more targets at up to 285 km, with the circular error probability (CEP) of less than 50 m in the INS/GPS guidance mode, or of about 150 m in the INS mode (this applies to rockets Jerina 1).

Loading and reloading of containers is done by means of a special utility vehicle equipped with a lifting device. The utility vehicle is capable of transporting two containers each with two 400 mm caliber rockets, or two containers each with six 262 mm rockets.



Main technical characteristics of the system

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| Range | 285 km (400 mm caliber, rocket Jerina 1) 70 km (262 mm caliber, rocket Jerina 2) |
| Caliber | 400 mm 262 mm |
| Launch device | Disposable containers |
| No. of containers /launch modules | 2 |
| No. of barrels, rockets in one container | 2 (rocket Jerina 1), a total of 4 rockets 6 (rocket Jerina 2), a total of 12 rockets |
| Operating temperature range | From -30°C to +50°C |
| Field of action | In elevation: 0° to 60° In traverse: ±20°, Jerina 1 In traverse: ±110°, Jerina 2 |
| Laying the launcher in traverse and elevation | Automatic Semi-automatic Accuracy in laying as per the set angles 00-01 |
| Drive | Electric motors |
| Angular velocity of laying | In elevation: 1°/s, max. In traverse: 2°/s, max. |
| Crew | Three servicemen in the vehicle cabin |
| Launcher loading | By way of the lifting device on the utility vehicle |
| Weapon stability during firing | Achieved by means of four trails for the system stability |
| Orientation and navigation | Autonomous, by means of INS GPS |
| Combat mission | By means of autonomous FCS Pre-planned combat mission |
| Slope correction | Automatic, by way of a special device, up to 5° |
| Launching device facilitates | Burst-fire Single-shot launching Launching from the vehicle cabin, or from a shelter at the distance of 25m |
| Crew personal armament | 3 automatic rifles in 7.62 mm caliber |
| Time of preparation of the weapon for firing | 120 s |
| Time of leaving the firing position | 120 s |
| System weight | 35000 kg |

