

M63/94 SELF-PROPELLED MULTI-TUBE MISSILE LAUNCHER 128 mm - PLAMEN C

"Plamen C" is self-propelled multi-tube missile launcher intended for impact, sudden and quick fire assaults against personnel and non-armoured vehicles. It appeared as a result of merging of the launching device and towing vehicle for the M63 LRSV 128 mm system by adding some newly designed assemblies. "Plamen C" fires two types of missiles: PLAMEN-A, M63 and PLAMEN-D, M87 with extended range. The launcher is carried on the vehicle TAM 150 T11 BV 6x6.

It is possible to mount it on other vehicles of the similar characteristics (for example FAP 1417). The system is of a modular concept in such a way as to permit mounting of the "OGANJ" launching device with 24 or 32 tubes on the multi-purpose upper carriage instead of PLAMEN launching device. The design of the launcher meets all ergonomic requirements providing easy and safe handling. Manual mechanism drive can be changed into semiautomatic on user's request. Deployment time is 30 seconds. The time needed for leaving of firing position is 30 seconds. Mass distribution provides proper center of gravity during transportation with FULL-EMPTY combination in the way that launching device is turned for 1600 in respect to the basic position.



Technical data of the system	"PLAMEN-A", M63	"PLAMEN-D"
Maximum range	8.600 m	12.625 m
Firing rate	5; 2.5; 1.66 missiles/s	5; 2.5; 1.66 missiles/s
Temperature range of use	-30o to + 50oC	-30o to + 50oC
Transportation	TAM 150 T11 BV 6 x 6	TAM 150 T11 BV 6 x 6
Total mass of the system	9.600 kg	9.600 kg

Technical data of the missile	"PLAMEN-A", M63	"PLAMEN-D"
Missile diameter	128 mm	128 mm
Warhead caliber	128 mm	128 mm
Missile length	837 mm	971 mm
Missile mass	23.1 kg	25.5 kg
Mass of (warhead) explosive charge	2.6 kg	3.3 kg

Technical data of the launching tube	"PLAMEN-A", M63	"PLAMEN-D"
Internal diameter	128 mm	128 mm
Tube length	1030 mm	1030 mm
Mass of the tubes (with mechanism)	15 kg	15 kg