

S-8KOM WITH COMPOSITE PROPELLANT

Aviation unguided rocket



The S-8 KOM unguided aviation rocket with a hollow-charged fragmentation warhead of impact effect is designed for destroying of ground armoured targets (tanks, self-propelled guns, armoured vehicles, armoured personnel carriers), unarmoured ground targets (missiles, launchers, radar stations, aircrafts and helicopters on parking places, etc.), the enemy forces and is used as armament on board the front-line aviation aircrafts.

The rockets are fired from single-loading 20-barrel launching pods of the B-8M1 type with rocket protection against kinetic heating and from launching pods of the B8V20 type.

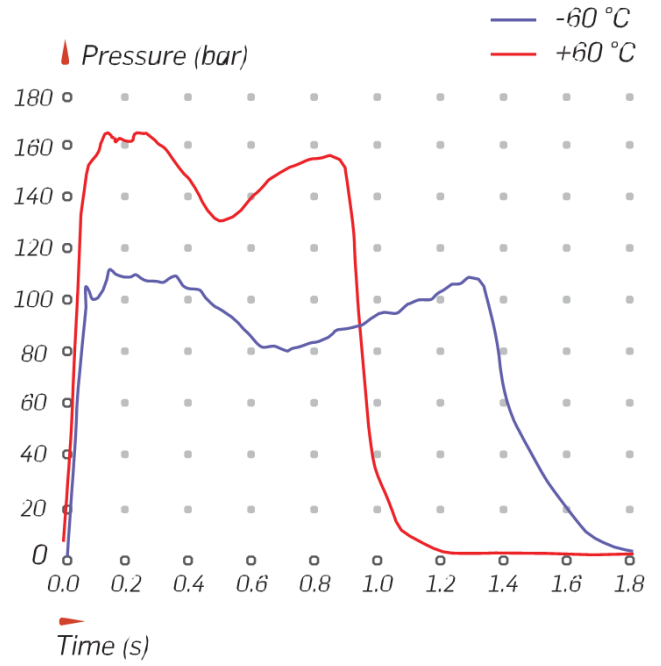
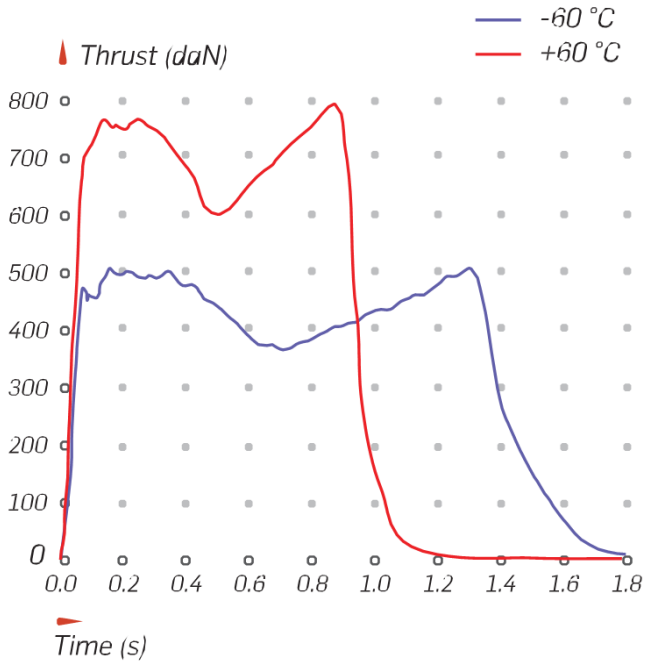
The rocket consists of warhead and rocket motor, nozzle block and fin assembly covered by casing.

TECHNICAL CHARACTERISTICS:

• Caliber (mm)	80
• Rocket Mass (kg)	11.7
• Rocket velocity (m/s)	610
• Armor penetration (mm)	400
• Fragments 3g in weights,	>400
• Circular error probable (‰)	≤3%
• Safe operational temperature range (°C)	-60 to +60

PACKING:

• Dimensions (mm)	1,830 x 350 x 330
• Volume, m ³	0.2114
• Number of rockets in a case	4
• Gross weight, kg	71.3



We used cylindrical geometry with two types of propellant grain, instead of a star geometry and single type of propellant grain, while retaining the same performances.

The rocket propellant, which is used for grain production, is a modern thermoplastic composite propellant with a greater total impulse than the original propellant.

Steel nozzle with ablative material protection has six steel throats same as the original motor.

