



SAMAVAT 35 mm Air Defence System



This air defence system uses twin auto cannons, firing 35x228 mm NATO-standard ammunition. The system could be paired with the off-gun (remote) fire control radar. The weapons can be aimed either directly, by way of an advanced sighting system, or automatically, by locking on the target with radar. It is equipped with automated reloading carry 280 rounds total.

It contains a plus Doppler search radar, a pulse Doppler tracking radar and a coaxial television camera. It also has a small petrol generator.

It is an all-weather air defence system for the control of aircraft at low altitude and at low and medium altitude range up to 3000 m. The maximum effective distance is given as 4000 m.

The system takes the air surveillance, target acquisition, calculation of the derivative-action values and control of two 35 mm antiaircraft guns.

The radar unit is readied quickly through the use of hydraulic systems for antenna erection and levelling after deployment.



TECHNICAL SPECIFICATIONS

Caliber	35 mm
Number of Barrels	2
Rate of Fire 2 × 550	1, 100 rounds/min.
Muzzle Velocity	1, 175 m/s
Barrel Length (90° caliber)	3, 150 mm

GUN-LAYING DATA

Traverse Arc	Unlimited
Max. Traverse Speed	2095 r/s
Traverse Acceleration	3142 r/s ²
Elevation Arc	-5° to +92°
Max. Elevation Speed	1047 r/s
Elevation Acceleration	2095 r/s ²
Effective Range	4000-6000 m
Max. Range of Fire	8500 m

