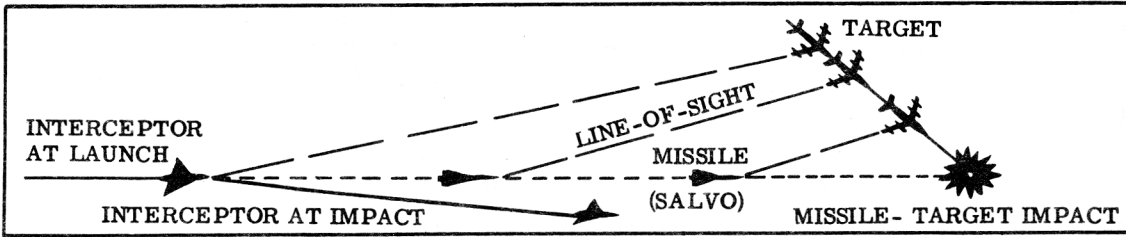


Characteristics Summary Basic Mission . . . AIM-4G (GAR-4A)



P E R F O R M A N C E		
T A R G E T S	R A N G E	S P E E D
Subsonic propeller-driven or jet bombers Supersonic jet bombers Subsonic or supersonic jet fighters	Missile launch range: 1000 ft to 35,000 ft	MAX: Launching aircraft speed plus 1200 fps
L A U N C H I N G	F L I G H T T I M E	A L T I T U D E
Short-length tracks (4) extended from F-106A fuselage bay 16 sec minimum preparation time from AI radar detection Salvos of 2 or 4 missiles	Missile flight time: 1.3 sec to 22.0 sec	Effective up to 70,000 ft
L O A D	W E I G H T S	T A R G E T A C C U R A C Y
Warhead and Fuze (installed) . . 8.6 lb Explosive 5.0 lb Motor (loaded) . . 43.05 lb Useful Fuel 26.4 lb	Empty 108 lb Pre-launch 146 lb End of Boost Phase 133 lb Burnout 119 lb	P_k - 0.87 for salvo of 2 missiles in rear hemisphere attacks against subsonic and supersonic bombers

- N O T E S**
1. Performance Basis:
 - (a) Calculation based on experimental FALCON flight tests, component tests, and estimated data.
 - (b) NACA standard atmospheric conditions.
 2. Probability of kill (P_k) value is based upon 90% missile reliability and 0.90 kills per hit.
 3. Nominal values correspond to idealized operation of the fire control system.
 4. Revision Basis: Data reCOORDINATED: (WRAMA).