



The F-102 is an all-weather, delta-wing fighter-interceptor armed with the Falcon guided missile. A slight forward-tapered trailing edge is a feature of the pointed-tipped, triangular delta wing. The fuselage is needle nosed, long and narrow-waisted (area rule), and slightly tapered toward the tail exhaust outlet. Other fuselage recognition features include a stepped-up cockpit and air intakes for the single jet engine on both sides of the fuselage. The large, triangular vertical stabilizer has a straight trailing edge. No horizontal stabilizer is used; "elevons" in the wing provide necessary stabilization. A small dorsal fin fairing is mounted atop the exhaust outlet aft of the vertical stabilizer. Two elliptical-shaped fairings, one located at each side of the exhaust outlet, complete the aft end of the fuselage.

AIR FRAME		OPERATIONAL DATA		POWER PLANT	
Mfr.	CONVAIR	Max. Range (Naut.Miles)	950 plus	No. of Engines	1
Wing Span	38.1'	Crew No.	1	Model No.	J-57
Length	68.3'	Max. Speed (Knots)	550 plus	Mfr.	P & W
Combat Weight (Lbs.)	23,000 approx.	Service Ceiling (Ft.)	52,000 approx.	Type	Turbojet
				Rating Each	10,200# plus 5,800# A.B.

