



The F-105 is a midwing, single-engine jet fighter. The sweptback wing is tapered, with a curved trailing edge, blunt tips, and a slight negative dihedral. Sharply pointed air intakes at the root of each wing jut well forward of the leading edge. The fuselage is sharply pointed and is "area ruled" (slightly tucked in amidship). A fairing aft of the cockpit blends the cockpit into the fuselage. The tall vertical stabilizer includes an air intake for the afterburner at the base of the leading edge. The blunt-tipped horizontal stabilizer has no dihedral and is mounted low on the fuselage. Both vertical and horizontal stabilizers are swept back and tapered. A large ventral fairing is located beneath the aft fuselage. The tail pipe and afterburner extend beyond the vertical and horizontal control surfaces.

AIR FRAME		OPERATIONAL DATA		POWER PLANT	
Mfr.	REPUBLIC	Max. Range (Naut.Miles)		No. of Engines	1
Wing Span	35'	Crew No.	1	Model No.	J-57-P-5
Length	61'	Max. Speed (Knots)	750 plus	Mfr.	P & W
Combat Weight (Lbs.)	29,000	Service Ceiling (Fr.)	50,000 plus	Type	Turbojet
				Rating Each	15,000# plus 8,000# A.B.

