

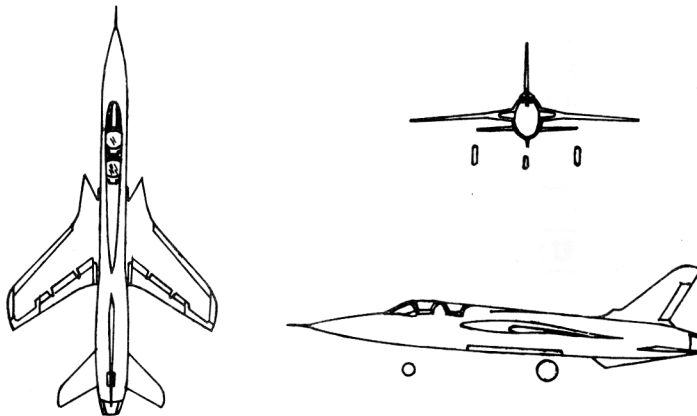
*AI
F-105G/char*

UNCLASSIFIED

SERVICE

Characteristics Summary

FIGHTER F-105G



"THUNDERCHIEF"

REPUBLIC

Wing Area 385 sq ft Length 67.0 ft
Span 34.9 ft Height 20.2 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

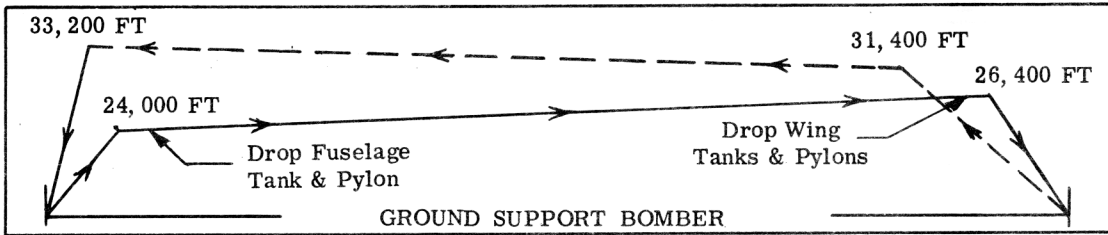
The F-105G is a modified F-105F incorporating the Wild Weasel III capability. This modification provides radar homing and warning (RHAW), tape recorder and strike camera systems, and early warning missile site detection system.

Navy Equivalent: None

Mfr's Model: AP63-31

POWER PLANT	FEATURES	ARMAMENT
(1) J75-P-19W Pratt & Whitney ENGINE RATINGS S.L.S. LB - RPM - MIN T.O. *26,500 - 6900/9090 - 2.5 Max 24,500 - 6400/8990 - 15 Mil: 16,100 - 6440/9000 - 30 Nor: 14,300 - 6080/8750 - Cont * With water and afterburner With afterburner operating Limited by water supply	Crew 2 Area control fuselage Liquid oxygen system Fuselage bomb bay L.E. wing flaps Drag chute Integrated auto pilot Engine ram air ejector AN/ASG-19 fire control system (R-14A Radar) AN/-APN-131 doppler navigation Nose wheel steering Spoiler/aileron combination In flight refueling (probe drogue & boom receptacle) Max fuel capacity: 2976 gal	Guns: 1 x 20mm(M-61) Ammo: (tot) 1028 rds ROCKETS 6 x LAU-3/A, -18/A 6 x LAU-32, -59 MISSILES 2 x AGM-12C, AGM-45A, AGM-78A & B 4 x AIM-9E SPECIAL STORES 4 x MK-28, MK-43 3 x MK-61, 1 x MK-57 BOMBS 16 x MK-82, MK-82 (Snakeye) 500 lb 9 x MK-83 1000 lb 3 x MK-84 2000 lb 16 x M-117 Ret. & Des. 750 lb 3 x M-118 3000 lb

Characteristics Summary Basic Mission F-105G



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
② 391 naut. mi at 514 knots avg. in 1.62 hours.	1623 naut. mi with 3100 gal fuel at 516 knots avg. in 3.15 hours at 51,139 lb T.O. wt.	COMBAT 681 knots at S. L. ft alt, max power MAX 723 knots at 36,000 ft alt, max power BASIC 681 knots at S. L. ft alt, max power
C L I M B	C F I L I N G	T A K E - O F F
④ 2900 fpm sea level, take-off weight military power	24,600 ft 100 fpm, take-off weight military power	③ ground run 5800 ft ft no assist assisted
23,000 fpm sea level, combat weight maximum power	43,900 ft 500 fpm, combat weight maximum power	③ over 50 ft height 8210 ft ft no assist assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Ammo 581 rds/20mm Stores . . . (1) AGM-78 (RIB) & (2) AGM-45A (O.B.) Fuel: 2710 gal protected 0 % droppable 57.2 % external 57.2 %	Empty..... 31,279 lb Combat... 41,091 lb Take - off 54,580 lb limited by mission	187.6 knots power-off, landing config- uration, take-off weight TIME TO CLIMB 28.0 min, S. L. to 30,000 ft at combat wt, max power

- N O T E S**
- Performance Basis:
(a) F-105F Category II Flight Tests
 - Wing tanks with 2570 lb of fuel are dropped prior to combat.
 - With water injection.
 - Indicates performance for an Instrument Flight Regulation Climb Schedule of 400 KCAS to optimum climb Mach number.
 - Revision Basis: Initial Issue