

Characteristics Summary Basic MissionADV. F-89

Loiter 109 Min. at 35,000 Ft.		Combat 5 Min. with max power at 50,000 Ft.	SEE NOTE 2
Loiter 20 Min. at S.L. (reserve)		POINT-INTERCEPT	

PERFORMANCE		
INTERCEPT	COMBAT RANGE	COMBAT SPEED
POINT Total Mission Time for Interception at 50,000 ft. = 121.5 minutes(3)	(2) naut. mi	495 knots at 50,000 ft. alt.-max.power
AREA (2) Nautical Miles at (2) Knots Average in (2) hours.	with (2) lb payload at (2) knots avg. in (2) hours.	MAXIMUM SPEED 620 knots at zero ft. alt.-max.power
CLIMB	CEILING	TAKE-OFF
20,100 fpm. at S.L. Take-Off Weight, Max.Power	(2) ft. at 100 fpm, Take-Off Weight, Nor. Power	ground run 2210 ft _____ ft no assist assisted
21,700 fpm. at sea level Combat Wt.,Max.Pow.	52,000 ft. at 500 fpm, Combat Wt.,Max.Power	over 50 ft height 3010 ft _____ ft no assist assisted
LOAD	WEIGHTS	STALLING SPEED
Rockets: 104x2.75' FFAR	Empty 33,255 lb Combat 44,124 lb Take-Off 47,647 lb limited by Mission	114 knots flaps down, take-off wt.
Fuel: 1840 Gal. protected 100% droppable 0% external 0%		TIME TO CLIMB 7.5 Min S.L. to 50,000 Ft. T.O. wt., Max power

NOTES		
1. PERFORMANCE BASIS:	S.L.S.	LB
(a) Based on contractor's preliminary estimated data (not substantiated by WADC) corrected to conform to Specification MIL-C5011A insofar as possible.	Max:	*13,050
(b) Fuel density: 6.5 lb/gal (JP-3)	Mil:	9034
(c) Performance is based on the following.	Nor:	7330
		RPM
		100%
		100%
		94%
	*With afterburner operating	
	2. Data not available at time of publication.	
	3. Includes 1.5 minutes for take-off and acceleration to best climb speed at sea level.	
	4. REVISION BASIS: Initial issue	