

12-26-42

BU. OF AERO., NAVY DEPT.
PERFORMANCE DATA

XF5F-1 LAND
MODEL XFL-1 LAND

	XF5F-1			XFL-1			
	Normal	Overload		Normal			
GROSS WEIGHT LBS	10021	10892		6742			
WEIGHT EMPTY "	7990			5352			
FUEL GALS.	178	277		126			
GUNS/RDS. AMM.							
" " "							
WING LOADING							
POWER LOADING							
ENGINE	R-1820-G231 (3:2)			XF-1210-6 (1.8:1)			
ENGINE RATING (BHP/RPM/ALT.)	NORMAL			MILITARY			
	1000/2300/S.L.-4500			1000/1444/S.L.-10000			
	900/2300/7300-14000						
	1200/2500/T.O.			1150/1666/T.O.			
ENG. RATS FOR PERF.							
VM-SEA LEVEL MPH	312	311		281			
- 4500 "	326	325		310/10000			
- 7300 "	324						
- 14000 "	346	345					
- 20000 "	352						
- 30000 "	315						
- " "							
- " "							
- " "	358/17300	357/17300		333/12000			
CLIMB-S.L. FT/MIN							
" "							
TIME-10000' MIN	4.2	4.6		4.2			
- 20000' "	9.3	10.5		9.4			
SERVICE CEIL. FT	34500	33500		33000			
VS-GR. WEIGHT MPH	72.4	75.4		75.4			
- LESS FUEL "	68.4	69.5		70.5			
END/60% VM							
/75 "	4.3	6.5		5.58			
/90 "	2.8	4.3		3.62			
/VM "	1.3	2.0		1.67			
/VM "	.9	1.3		1.26			
MAX END/VAV* HR/MPH	5.4/-	7.8/-		7.02/-			
" RANGE/VAV* MI/MPH	780/168	1170/172		1127/161			
TAKE-OFF CALM FT.	428	515		474			
(LAND)-15 KN. "	272	334		299			
-25 KN. "	187	234		474			
TAKE-OFF (SEA) SEC.							

*AT _____ FT.

REMARKS _____

XF5F-1

Performance based on flight tests
Stall speed is "with power"

Span 42
Wing Area 303

Propeller:

C.S. Curtiss 10'-0"
Blades 3
Section 512

XFL-1

Performance based on
Flight Test.

35
232

10'-4½"
3
614