

DECLASSIFIED

CONFIDENTIAL
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. RATG 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.	
-LESS FUEL "	68.4	69.5		70.5	
END/60% VM					
HR/MPH	4.3	6.5		5.58	
/75 "	2.8	4.3		3.62	
/90 "	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.

DECLASSIFIED

REMARKS _____

XF5F-1

DECLASSIFIED

XFL-1

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

Performance based on
Flight Test.

Span 42
Wing Area 303

35
232

Propeller:

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

10'-4½"
3
614