

UNCLASSIFIED

BU. OF AERO., NAVY DEPT.
PERFORMANCE DATA

MODEL XF6F-4 LAND.

11-1-42

	FIGHTER	FIGHTER	FIGHTER			
GROSS WEIGHT LBS	11062	11062	11852			
WEIGHT EMPTY "	8568					
FUEL GALS.	182	182	250			
Fx. GUNS/RDS. AMM.	6-.50/1200		6-.50/2400			
" " "						
WING LOADING	33.1	33.1	35.5			
POWER LOADING	7.6	7.6	8.2			
ENGINE	R-2800-27 (2:1)					
ENGINE RATING (BHP/RPM/ALT)	NORMAL		MILITARY			
	1600/2400/5700		2000/2700/SL-1500			
	1450/2400/13000		1600/2700/7800-13500			
	2000/2700/T.O.					
ENG. RATS FOR PERE	Military	Normal	Normal			
Vm-SEA LEVEL MPH	335	307	306			
- 5700' (Norm)"	340/1500	326	325			
- 8300' " "	332/7800	322				
-13000' " "	352/13500	338	337			
-15000' " "	359/15800	346	344			
-20000' " "	339	324				
-25000' " "	327	306				
- " "						
- " "						
CLIMB-S.L. FT/MIN	3060	2280	2060			
13000' " "	2190*	1930	1720			
TIME-10000' MIN	3.8	4.9	5.2			
-20000' " "	9.4	11.1	12.4			
SERVICE CEIL. FT	32300	31100	29900			
VS-GR. WEIGHT MPH		76.7	79.4			
-LESS FUEL "		72.8	74.2			
END/60% Vm		4.1/203	5.7/202			
/75 " "		2.8/254	4.0/253			
/90 " "						
/Vm		.9/338	1.3/337			
MAX END/VAV*						
" RANGE/VAV*		860/182	1115/189			
TAKE-OFF: CALM FT.		499	629			
(LAND)-15 KN. "		313	403			
-25 KN. "		222	278			
TAKE-OFF (SEA) SEC.						

CLEARED
FOR OPEN PUBLICATION
5 JUN 1986
COMNAVAIRSYSCOM

A. W. Fraschetti
Public Information Officer
By direction of the Commander

* AT 5700 FT. * At 13500 ft.

REMARKS IFF equipment in all loadings. Performance based on XF6F-3 guarantees.

RE-ISSUED FROM ORIGINAL DATE - Range and Endurance figures recomputed incorporating a suitable increase in S.F.C. to conform with past experience.

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GENERAL DATA

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GENERAL

GROSS WEIGHT _____ LBS. C.G. _____ % M.A.C. C.G. FROM T. L. _____ INS.
MAX. CENTER OF GRAVITY RANGE _____ TO _____ % M.A.C.

SPAN _____ 42'-10" HEIGHT, LEVEL _____ 11'-11"
" , FOLDED (Tail Span) 18'-6" " , ON WHEELS _____ 11'-2"
LENGTH, LEVEL _____ " , " " , FOLDED _____
" , ON WHEELS _____ " , HOIST. ATTITUDE _____

WING AREA _____ 334 SQ. FT. M.A.C. _____ 97.4 INS.
WING SECTION _____

DISP, MAIN FLOAT _____ --- LBS. DISP, AUX. FLOAT _____ --- LBS.
BEAM, MN. FL., HULL _____ ---

PROPELLER

TYPE _____ Ham. Std. C. S. NO. OF BLADES _____ 3
DIAMETER _____ 13'-1" BLADE DES. NO. _____ 6507

FUEL TANKAGE

FIXED TANKS (PROTECTED) _____ 250 GALS. TOTAL, FIXED TANKS _____ 250 GALS.
" " (UNPROTECT) _____ None GALS. " , " (PROT. REMOVED) _____ --- GALS.
AUX. TANKS, DROPPABLE _____ None

OIL TANKAGE

TOTAL (PROTECT., ~~UNPROTECT.~~) _____ 19 GALS. TOTAL (PROT. REMOVED) _____ 19 GALS.

PROV. FOR BOMBS, ETC.

None

REMARKS

