

PERFORMANCE DATA

MODEL NJ-1

		TRAINER					
GROSS WEIGHT	LBS.	4441					
WEIGHT EMPTY	"	3271					
FUEL	GALS.	104					
GUNS/RDS. AMM.		NONE					
"	"	NONE					
WING LOADING		17.9					
POWER LOADING		8.9					
ENGINE	R1340-6 (D: D)						
ENGINE RATING (BHP/RPM/ALT)	NORMAL			MILITARY			
	500/2200/SL-8500						
	500/2200/T0						
ENG. RATS FOR PERF	NORMAL						
V _M -SEA LEVEL	MPH	167					
- 8500 (NORM.)	"	201					
- 10000	"	199					
- 15000	"	193					
- 20000	"	182					
-	"						
-	"						
-	"						
-	"						
CLIMB-S.L.	FT/MIN	990					
-	"						
TIME-10000'	MIN	10.2					
- 20000'	"	29.0					
SERVICE CEIL.	FT	24900					
V _S -GR. WEIGHT	MPH	62.0					
- LESS FUEL	"	57.5					
END/80% V _M	MPH	6.8					
/75 "	"	4.6					
/90 "	"						
/V _M	"	1.8					
MAX END/V _{AV} ⁺	MI/MPH						
" RANGE/V _{AV} ⁺	MI/MPH	850/109					
TAKE-OFF-CALM	FT.	598					
(LAND)-15 KN.	"	331					
-25 KN.	"	192					
TAKE-OFF (SEA)	SEC.						

*AT 1500 FT.

REMARKS

DATA FROM CHART OF JULY 1942 - Range and Endurance figures recomputed incorporating a suitable increase in S.F.C. to conform with past experience.

DECLASSIFIED IN ACCORDANCE WITH E. O. 11652
JULY 1942

MODEL NJ-1

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'-0" HEIGHT, LEVEL _____ 13'-3"
" , FOLDED _____ " , ON WHEELS _____ 9'-0"
LENGTH, LEVEL _____ 27'-2" " , " " , FOLDED _____
" , ON WHEELS _____ " , HOIST. ATTITUDE _____

WING AREA _____ 248.3 SQ. FT. M.A.C. _____ 75.19 INS.
WING SECTION _____ NACA 2215 - 2209

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

PROPELLER

TYPE _____ TWO POSITION NO. OF BLADES _____ 2
DIAMETER _____ 9' / 0" BLADE DES. NO. _____ 6101A-12

FUEL TANKAGE

FIXED TANKS (PROTECTED) _____ GALS. TOTAL, FIXED TANKS _____ 104 GALS.
" " (UNPROTECT) _____ 104 GALS. " , " (PROT. REMOVED) _____ GALS.
AUX. TANKS, DROPPABLE _____

OIL TANKAGE

TOTAL (_____, UNPROTECT.) _____ 9.5 GALS. TOTAL (PROT. REMOVED) _____ 9.5 GALS.

PROV. FOR BOMBS, ETC.

NONE

REMARKS

