

PERFORMANCE DATA

DATE 8-15-42

LOADING	PHOTO.			
GROSS WEIGHT (LBS.)	10328			
WEIGHT EMPTY "	5456			
FUEL (GALS.)	685			
FIXED GUNS	None			
AMMUNITION (RDS.)				
FLEXIBLE GUNS	None			
AMMUNITION (RDS.)				
WING LOADING	39.7			
POWER LOADING	10.3			
ENGINE	R-1830-86 (3:2)			
RATING-NORMAL	1100/2550/SL-2500	1050/2550/12000		
(BHP/RPM/ALT.)	1000/2550/19000	1200/2900/T.O.		
RATING-MILITARY	1200/2700/1800	1150/2700/11500		
(BHP/RPM/ALT.)	1000/2550/19000			
PROPELLER	Curtiss C.S. 3 Bl. 9'-9" Bl. Des. 512			
ENGINE RATING FOR PERF.	Military	Normal		
V _M -SEA LEVEL (MPH)	282/S.L	273		
" - 2500 (Norm.) "	288/1800	280		
" - 4200 "	283/3100	278		
" - 12000 "	307/11500	299		
" - 13300 "	298/15100	292		
" - 19000 "	309	309		
" - 19400* "	310	310		
CLIMB-SEA LEVEL (FT/MIN)	1765	1555		
TIME-10000 FT. (MIN.)	6.5	7.2		
" - 20000 FT. "	16.4	17.2		
SERVICE CEILING (FT.)	26900	26900		
V _S -GROSS WEIGHT (MPH)	85.2	85.2		
- LESS FUEL "	66.5	66.5		
END.- 60% V _M (HR.)		20.0		
- 75% V _M (R) "		15.1		
- V _M " "		4.6		
MAX. RANGE/AV. V _M (MI/MPH)		3790/168		
TAKE-OFF-CALM (FT.)		1340		
- 15 KN. (LAND) (T) "		898		
- 25 KN. " "		693		
TAKE-OFF-CALM (SEC.)	-	-		

DATA ARE GIVEN FOR STATUTE MILES

*AIRPLANE CRITICAL ALTITUDE

†AT 2500 FT.

FUEL, FIXED TANKS: PROTECTED None GALS. TOTAL, FIX. TANKS 685 GALS.
 UNPROTECTED 685 GALS. " (PROT. REMOVED) - GALS.

FUEL, DROP TANKS: None
 OIL TANKS 38 GALS. (- GALS., PROTECTION REMOVED) (No Protection)
 PROV. FOR BOMBS, ETC. _____

REMARKS IFF equipment installed in all loadings. Engine take-off rating is for 5 minutes.

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

~~CONFIDENTIAL~~

GENERAL DATA

DATE 8-15-42

GENERAL

Mid-wing monoplane, retractable landing gear.

GROSS WEIGHT: _____ GROUND ANGLE: _____ PROP. CLEAR. _____
CENTER OF GRAVITY, % MAC: _____ FROM THRUST LINE: _____
" " " , MAX. FOR'D : _____ MAX. AFT : _____

DIMENSIONS

SPAN: _____ 38'-0" HEIGHT, LEVEL: _____ 11'-11"
" , FOLDED: _____ " , FOLDED: _____
LENGTH, LEVEL: _____ 28'-11" " , ON WHEELS: _____ 9'-2"
" , ON WHEELS: _____ " , HOIST. POSITION: _____

AREAS (SQ. FT.)

WING, GROSS: _____ 260 AILERON: _____
STABILIZER: _____ ELEVATOR: _____
FIN: _____ RUDDER: _____

WING CELLULE

SECTION: _____ NACA 23000 INCIDENCE: _____
CHORD, ROOT: _____ TIP: _____ M. A. C.: _____ 84.1"
THICK., % CHORD, ROOT: _____ TIP: _____ AVERAGE: _____
EFFECT. ASPECT RATIO: _____ SWEEPBACK: _____
DIHEDRAL: _____

HIGH LIFT DEVICES

TYPE OF FLAP: _____
FLAP SPAN, % WING SPAN: _____ FLAP CHORD, % WING CHORD: _____
MAX. FLAP ANGLE: _____ AILERON DROOP: _____
TYPE OF SLOT: _____

TAIL

ASPECT RATIO, HORIZONTAL: _____ VERTICAL: _____
DIST. C.G. TO HINGE, ELEVATOR: _____ RUDDER: _____

REMARKS:

