

~~RESTRICTED~~
1 April, 1943

BU. OF AERO., NAVY DEPT.
PERFORMANCE DATA

MODEL HE-1 LAND.

	← AMBULANCE → (No Casualty)					
GROSS WEIGHT LBS	1414	1245				
WEIGHT EMPTY "	894					
FUEL/OIL GALS.	20/2	20/2				
GUNS/RODS/AMM.						
" " "						
WING LOADING	7.9	7.0				
POWER LOADING	14.1	12.5				
ENGINE	Lycoming O-235-2 (D.D.)					
	NORMAL		MILITARY			
	100/2600/S.L.		None			
ENGINE RATING (BHP/RPM/ALT.)						
ENG. RATE FOR PERK.						
VM-SEA LEVEL MPH	99	99				
- 5000' (M.P.H.) "	97	97				
-10000' "	93	94				
-15000' "	85	88				
- " "						
- " "						
- " "						
- " "						
- " "						
CLIMB-S.L. FT/MIN	710	880				
- " "						
TIME-10000' MIN	21.5	16.8				
-20000' "						
SERVICE CEIL. FT	16000	18300				
VS-GR. WEIGHT MPH	41.0	38.4				
-LESS FUEL "	39.2	36.5				
END/60% VM	7.1/59	7.6/59				
/75 " S.L.	4.9/74	5.0/74				
/90 " "	3.1/89	3.1/89				
/VM "	2.2/99	2.2/99				
MAX END/VAV* MI/MPH	8.2/-	9.6/-				
" RANGE/VAV* MI/MPH	124/58	167/55				
TAKE-OFF-CALM FT.	333	240				
(LAND)-15 KN. "	135	90				
(LAND)-25 KN. "	50	28				
TAKE-OFF (SEA) SEC.	---	---				

*AT S.L. FT.

REMARKS

Lycoming O-235 (100/2550/S.L.) is installed in 30 airplanes.

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SHEET 1 OF 2

MODEL HE-1 LAND.

BU. OF AERO., NAVY DEPT.
GENERAL DATA

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1 April 1943

MODEL HE-1 LAND.

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 _____ 35'-6" HEIGHT, LEVEL _____ 9'-6"
" , FOLDED _____ " , ON WHEELS _____ 6'-6"
LENGTH, LEVEL _____ 22'-6" " , " " , FOLDED _____
" , ON WHEELS _____ 22'-6" " , ~~HOIST AND INDEX~~ * 12'-6"

WING AREA _____ 179 _____ SQ. FT. M.A.C. _____ 61.8 _____ INS.
WING SECTION _____ USA-35B

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

PROPELLER

TYPE _____ Sensenich F.P. NO. OF BLADES _____ 2
DIAMETER _____ 6'-2" BLADE DES. NO. _____ 74FE46

FUEL TANKAGE

FIXED TANKS (PROTECTED) _____ none _____ GALS. TOTAL, FIXED TANKS _____ 20 _____ GALS.
" " (UNPROTECT) _____ 20 _____ GALS. " , " (PROT. REMOVED) _____ GALS.
AUX. TANKS, DROPPABLE _____ none

OIL TANKAGE

TOTAL (PROTECT, UNPROTECT) _____ 2* _____ GALS. TOTAL (PROT. REMOVED) _____ --- GALS.
* In engine

PROV. FOR BOMBS, ETC.

None

REMARKS * Maximum while raising canopy for removal of casualty.