

AIRPLANE CHARACTERISTICS & PERFORMANCE

BUREAU OF AERONAUTICS, NAVY DEPT.

COLUMN NUMBER		1	2	3
LOADING CONDITION		TRAINER SEAPLANE	TRAINER SEAPLANE	LANDPLANE FERRY
GROSS WEIGHT	LBS.	5080	5080	4603
EMPTY WEIGHT	SPECIFICATION LBS.	3974		3712
FUEL/OIL	GALS.	100/7.5	100/7.5	100/7.5
FIXED GUNS/AMMUNITION		None		
FLEXIBLE GUNS/AMMUNITION		None		
ENGINE POWER USED FOR PERFORMANCE		MILITARY	NORMAL	NORMAL
WING LOADING	LBS./SQ.FT.	21.3	21.3	19.3
POWER LOADING ①	LBS./BHP.	9.2	10.2	9.2
V-MAX. SEA LEVEL	KN	168	163	158
V-MAX./CRITICAL ALT.	KN/FT.	179/8300	177/9800	173/9800
V-STALL GROSS WEIGHT ②	KN	51.9	51.9	49.5
V-STALL WITHOUT FUEL ②	KN	48.7	48.7	46.1
TIME-TO-CLIMB -10000 FT.-	MIN.	7.2	8.0	6.7
TIME-TO-CLIMB -20000 FT.-	MIN.	21.3	22.6	17.9
SERVICE CEILING	FT.	23800	23800	25400
TAKE-OFF DISTANCE -CALM-	FT.			278
TAKE-OFF DISTANCE -15 KN-	FT.			143
TAKE-OFF DISTANCE -25 KN-	FT.			76
TAKE-OFF DISTANCE -50 FT. OBST.	FT.			
TAKE-OFF TIME	SECONDS	24	24	
RATE OF CLIMB -SL-	FT./MIN.	1470	1330	1550
MAX. RANGE / V-AV. ③	NMI./KN		690/98	720/92
RANGE / V-AV. -60%NSP-③-	NMI./KN			
SEARCH RADIUS / V-AV. -20%R-	NMI./KN.			
A.S.W. RADIUS / V-AV. -20%R-	NMI./KN.			
SCOUT RADIUS	N MI.			
COMBAT RADIUS	N MI.			
ENGINE / PROP. GEAR RATIO		RANGER V - 770 - 8/3:2		
ENGINE RATING BHP/RPM/ALT.	MILITARY	NORMAL		TAKE-OFF
	550/3300/SL - 7500	500/3150/SL - 9000		550/3300/SL
	ABOVE VALUES ARE A.E.L. AUTO RICH RATINGS			

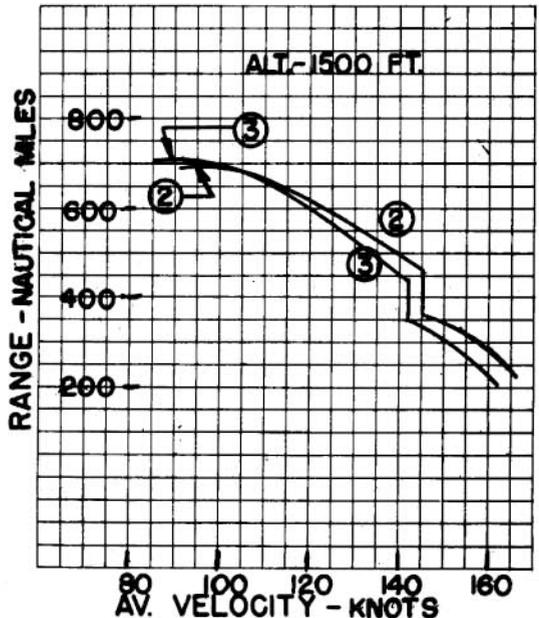
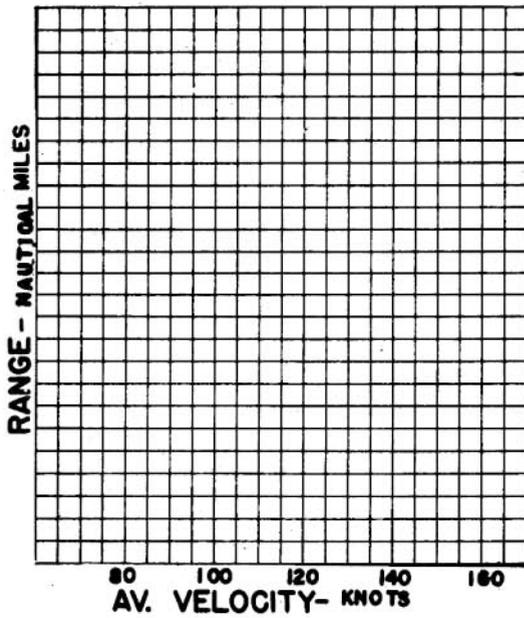
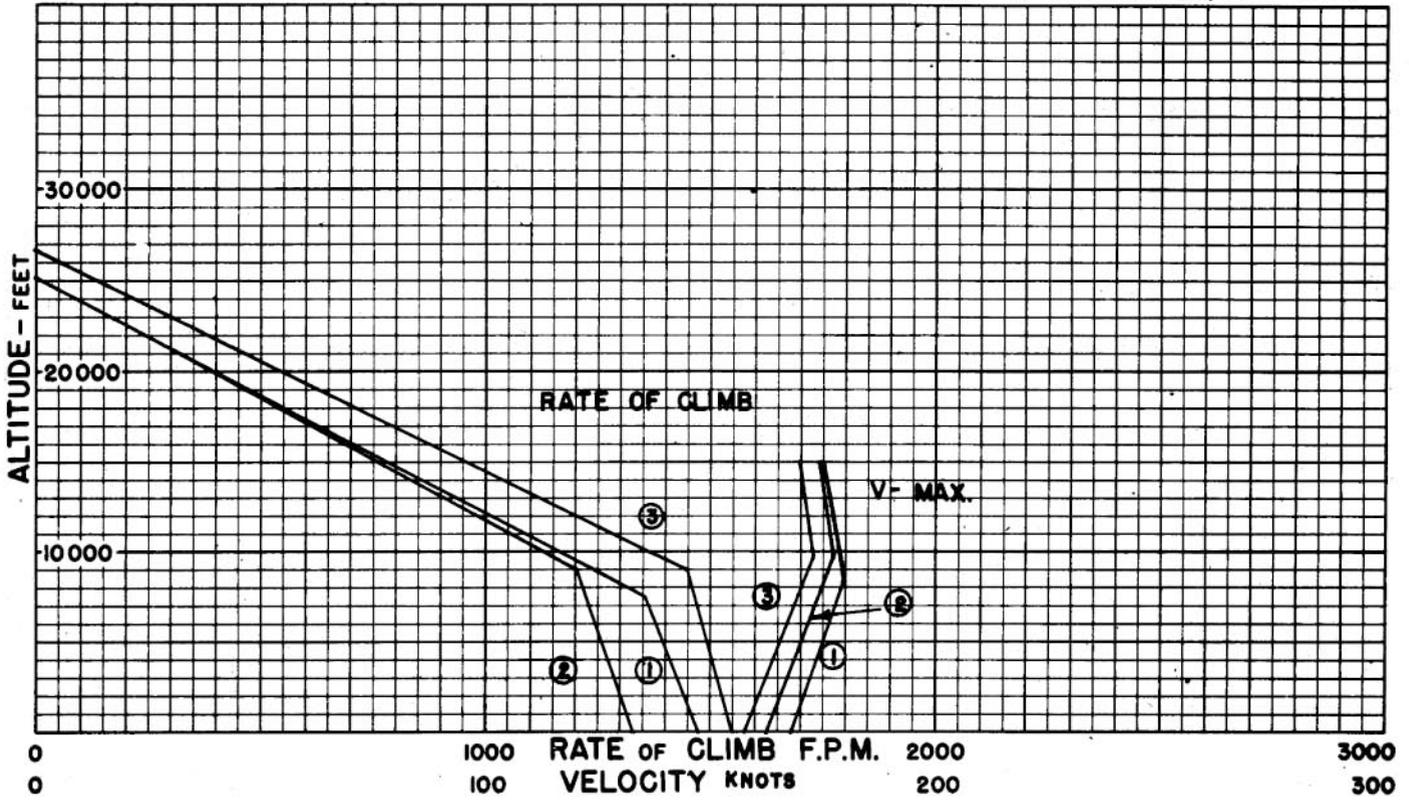
TANKAGE IN GALLONS		OIL	FUEL	OFFENSIVE ARMAMENT
AUX. FIXED	PROTECTED			None
	UNPROTECTED	7.5	100	
	TOTAL - FIXED INTERNAL	7.5	100	
	DROPPABLE			
	DROPPABLE			
TOTAL	7.5	100		Performance is based on Calculations Range is based on AEL fuel consumption data increased by 15 percent to conform with past experience.
NOTE				Landing gear in landplane Ferry Condition is not retractable.
	① BHP AT MAX. CRIT. ALT.			
	② STALL - WITHOUT POWER			
③ AT 1500' ALTITUDE				

Reissued 1 January 1947

AIRPLANE PERFORMANCE

NAVAER -1335 A

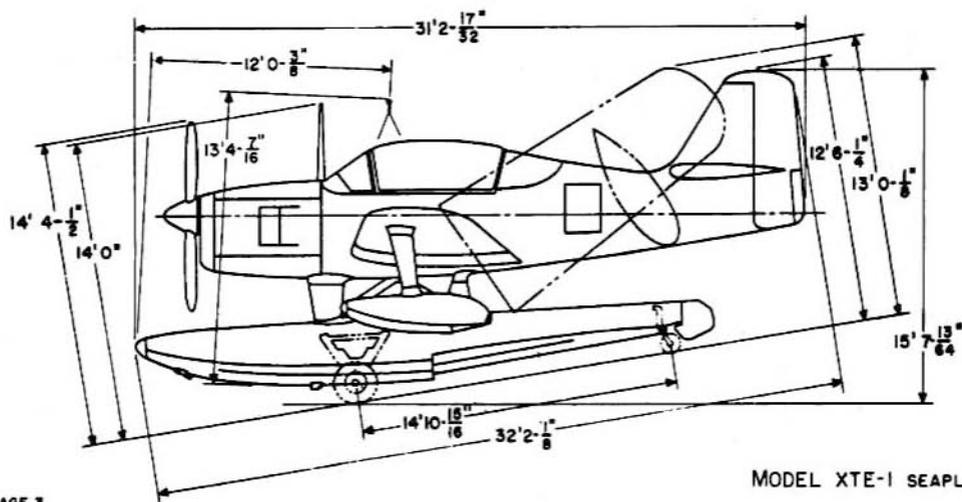
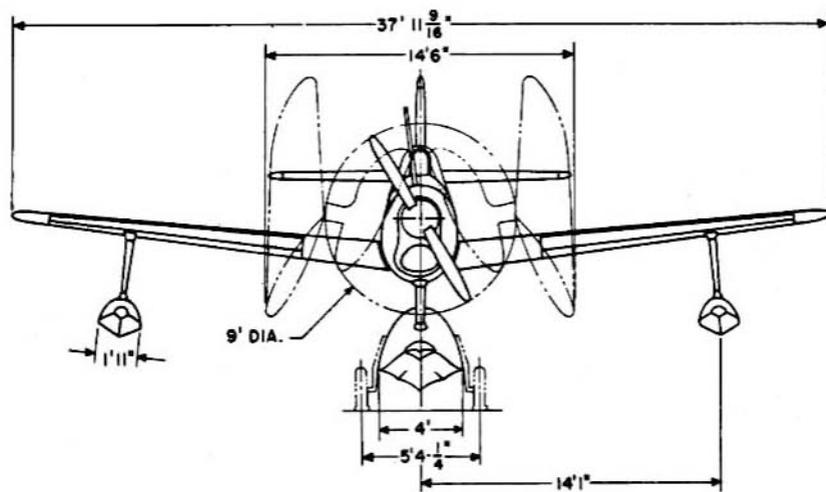
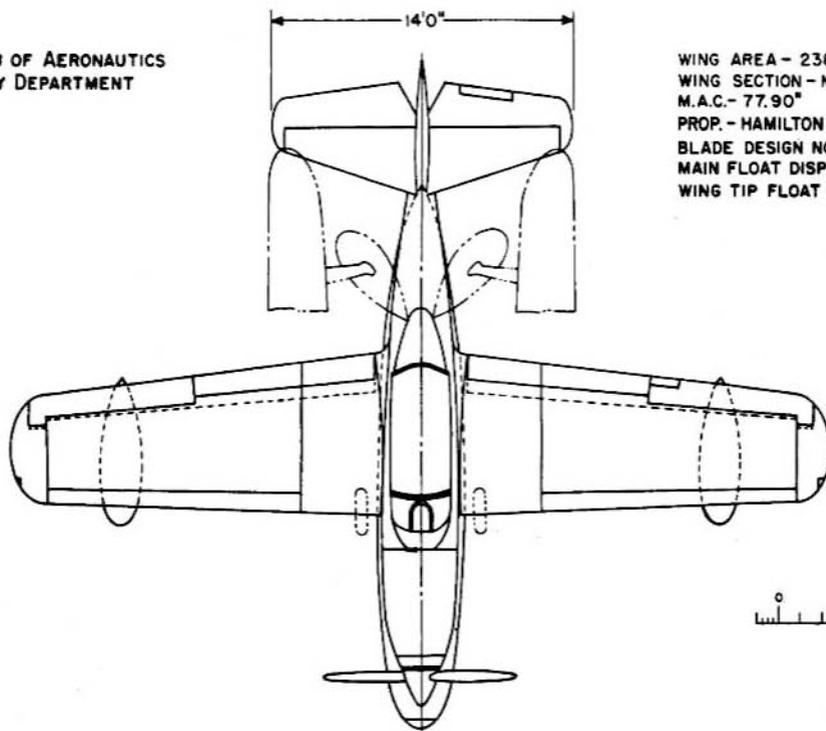
BUREAU OF AERONAUTICS, NAVY DEPT.



○ LOADING CONDITION COLUMN NUMBER

BUREAU OF AERONAUTICS
NAVY DEPARTMENT

WING AREA - 238.0 SQ. FT.
WING SECTION - N.A.C.A. 2417-2409
M.A.C. - 77.90°
PROP. - HAMILTON STANDARD
BLADE DESIGN NO. - D6101A-12
MAIN FLOAT DISPL. - 8800 LBS.
WING TIP FLOAT DISPL. - 1450 LBS. (TOTAL)



MODEL XTE-1 SEAPLANE

BUREAU OF AERONAUTICS
NAVY DEPARTMENT

MODEL XTE-1
SEAPLANE

☒ NON SELF-SEALING TANKS

