

AIRPLANE CHARACTERISTICS & PERFORMANCE

BUREAU OF AERONAUTICS, NAVY DEPT.

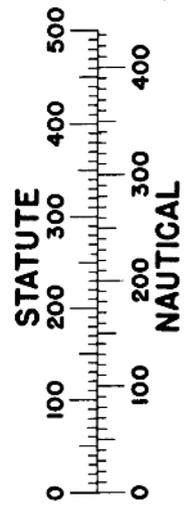
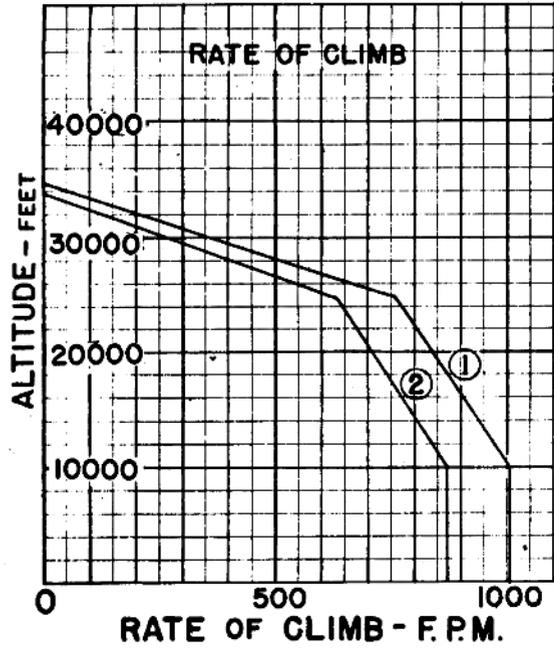
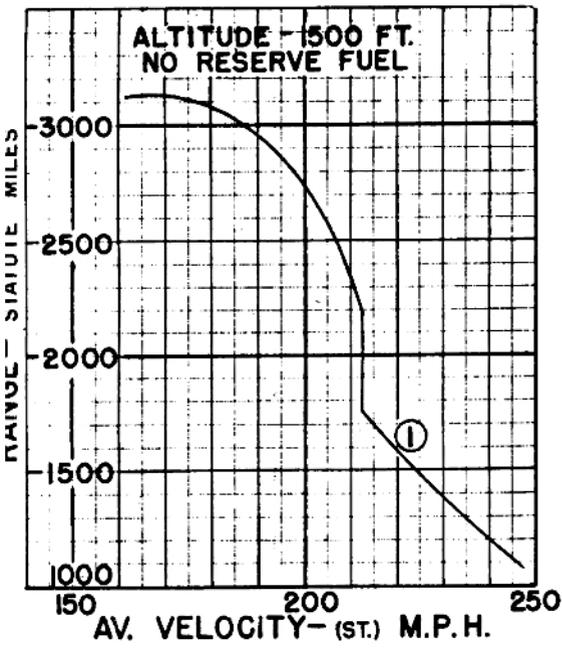
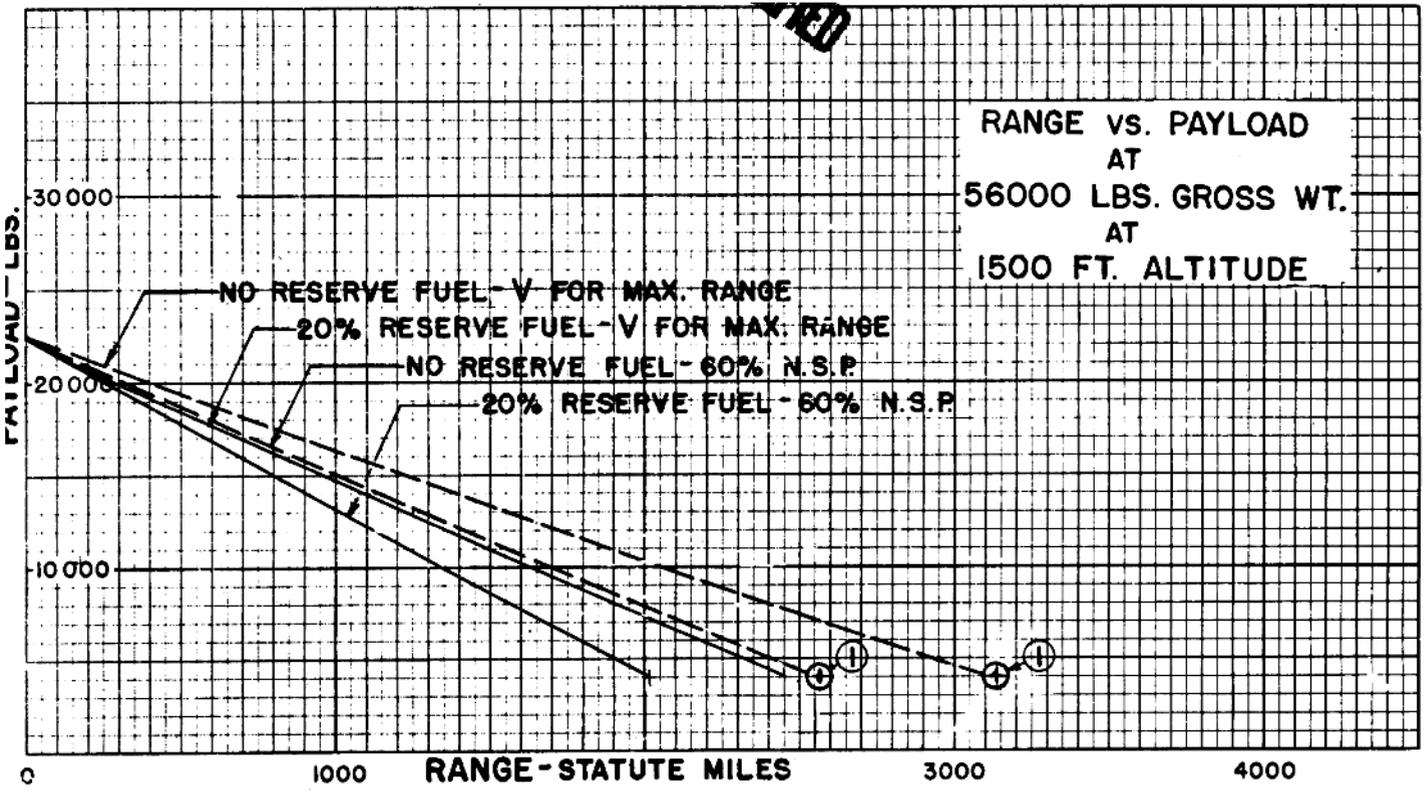
COLUMN NUMBER		1	2		
LOADING CONDITION		CARGO	CARGO		
GROSS WEIGHT	LBS.	56000	60000		
EMPTY WEIGHT - Actual -	LBS.	31935			
FUEL / OIL	GALS.	29 10 / 140	29 10 / 140		
FIXED USEFUL LOAD	-LBS.	1544			
PAYLOAD	-LBS.	4000	8000		
ENGINE POWER USED FOR PERFORMANCE		NORMAL	NORMAL		
WING LOADING	LBS./SQ.FT.	53.5	57.4		
POWER LOADING ①	LBS./BHP.	12.7	13.6		
V-MAX. SEA LEVEL	MPH.	244	239		
V-MAX. AIRPLANE CRIT. ALT.	MPH.	310 / 26900	306 / 26900		
V-STALL GROSS WEIGHT ②	MPH.	91.8	95.2		
V-STALL WITHOUT FUEL ②	MPH.	76.2	80.2		
TIME-TO-CLIMB -10000 FT.-	MIN.	10.0	11.4		
TIME-TO-CLIMB -20000 FT.-	MIN.	20.8	24.0		
SERVICE CEILING	FT.	33400	32400		
TAKE-OFF DISTANCE -CALM-	FT.				
TAKE-OFF DISTANCE -15 KN-	FT.				
TAKE-OFF DISTANCE OVER 50 FT. OBST. FT.		2960	3720		
TAKE-OFF TIME	SECONDS				
RATE OF CLIMB -SL-	FT/MIN.	1010	880		
MAX. RANGE / V-AV. ③	ST.MI./MPH.	3140 / 177	3110 / 175		
RANGE / V-AV. -60% N.S.P. ③	ST.MI./MPH.	2565 / 206	2540 / 204		
BOMBING RADIUS / V-AV -33% R-	NMI./KN.				
PATROL RADIUS / V-AV -20% R-	NMI./KN.				
PATROL RADIUS / V-AV -33% R-	NMI./KN.				
SCOUT RADIUS	N MI.				
COMBAT RADIUS	N MI.				
ENGINE / PROP GEAR RATIO		4 P.&W. R-1830-65 (16:9) Turbo			
ENGINE RATING BHP/RPM/ALT.		NORMAL		TAKE-OFF	
		1100 / 2550 / SL-25000'		1200 / 2700	

		TANKAGE IN GALLONS	OIL	FUEL	
AUX. FIXED	PROTECTED				PAYLOAD:- Cargo, passengers, or baggage. FIXED USEFUL LOAD:- crew, trapped fuel & oil, and equipment. COMMUNICATING Equipment (760#) included in weight Empty Performance with one engine inoperative (flaps and landing gear up, propeller feathered) is as follows - Gross Weight - 60000# Rate of Climb - SL - (T.O. power) - 505 Service Ceiling - (normal power) - 26500 Performance is based on calculations. Range is based on engine requirements fuel consumption data increased by 15% to conform with past experience
	UNPROTECTED	140		29 10	
	TOTAL - FIXED INTERNAL	140		29 10	
	DROPPABLE				
	DROPPABLE				
TOTAL		140		29 10	
NOTE	STATUTE MILES USED-EXCEPT-RADIUS IS GIVEN IN NAUTICAL MILES & KNOTS				
	① BHP AT MAX. CRIT. ALT.				
	② STALL - WITH POWER				
③ AT 1500' ALTITUDE NO RESERVE FUEL					

AIRPLANE PERFORMANCE

NAVAER - 1335 C

BUREAU OF AERONAUTICS, NAVY DEPT.



○ LOADING CONDITION COLUMN NUMBER

BUREAU OF AERONAUTICS
NAVY DEPARTMENT

WING AREA - 1048 SQ. FT.
WING SECTION - C.A.C. 22 %
TO 9.3 %
M.A.C. - 123.72"
PROP. - HAMILTON STD.
BLADE DESIGN NO. 6477A-0

