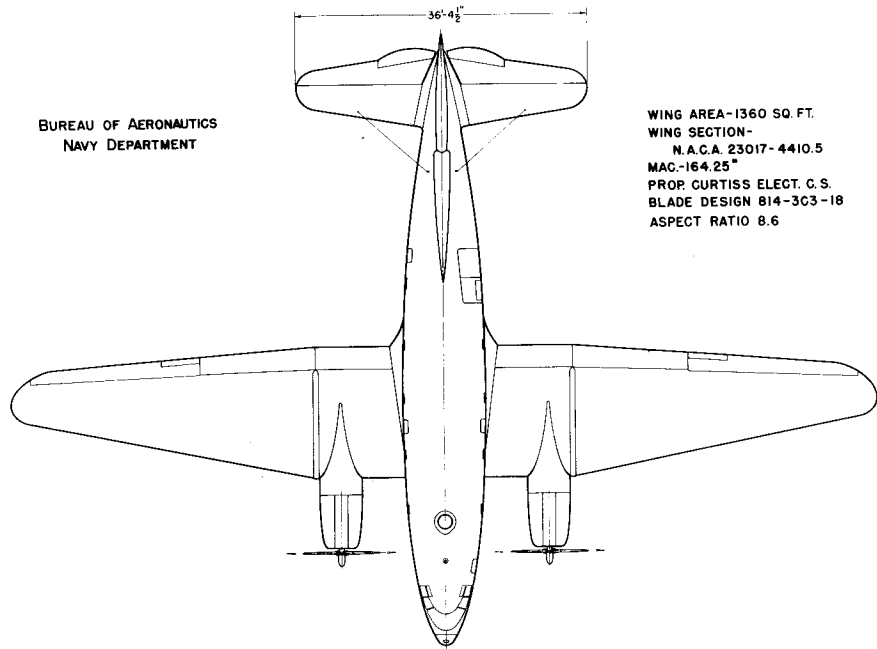


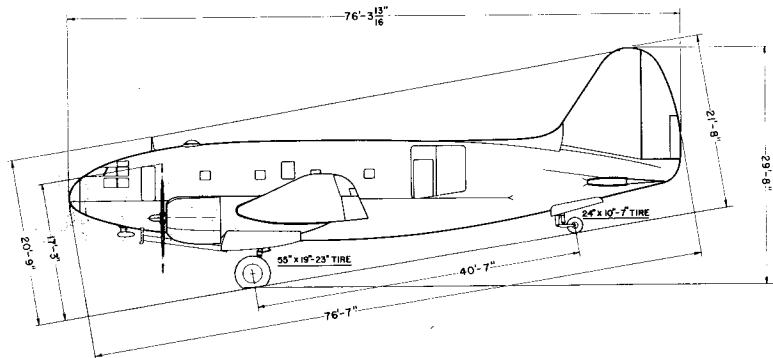
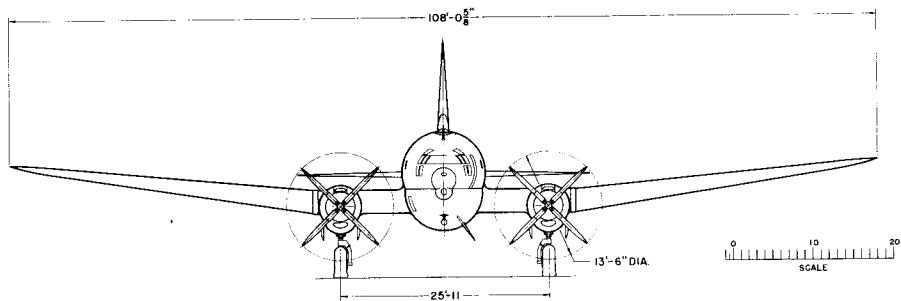


STANDARD AIRCRAFT CHARACTERISTICS
R5C-1 "COMMANDO"

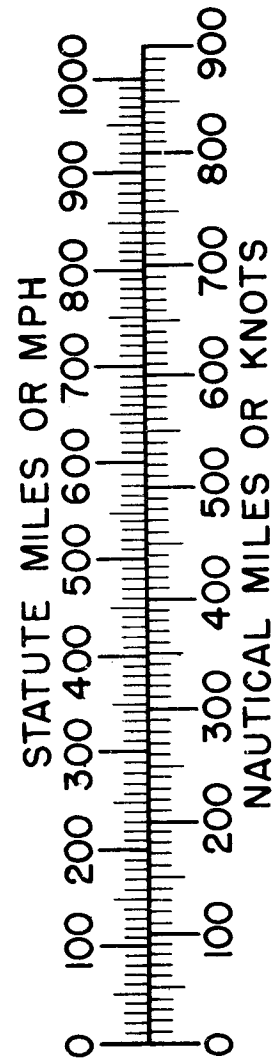
BUREAU OF AERONAUTICS
NAVY DEPARTMENT



WING AREA-1360 SQ. FT.
WING SECTION-
N. A. C. A. 23017-4410.5
MAC-164.25"
PROP. CURTISS ELECT. C. S.
BLADE DESIGN 814-3C3-18
ASPECT RATIO 8.6



DESCRIPTIVE ARRANGEMENT



PERFORMANCE SUMMARY

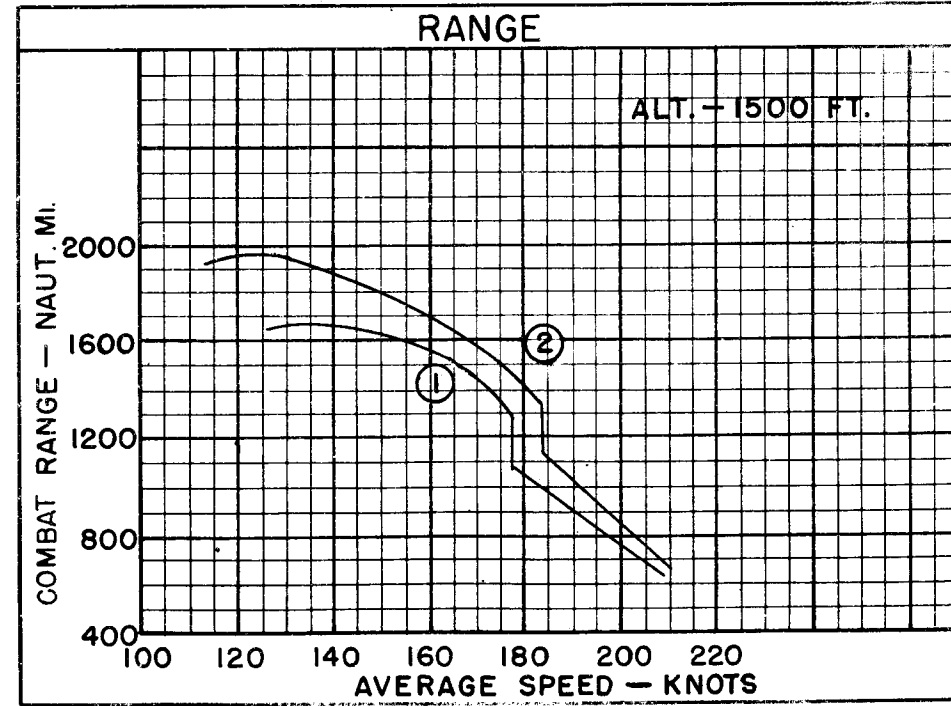
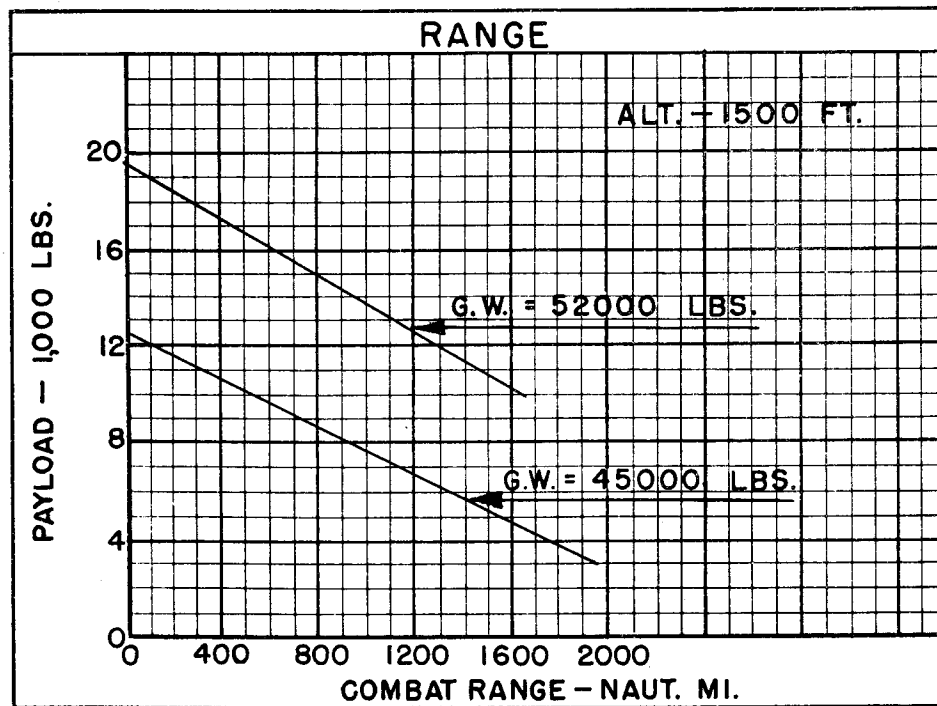
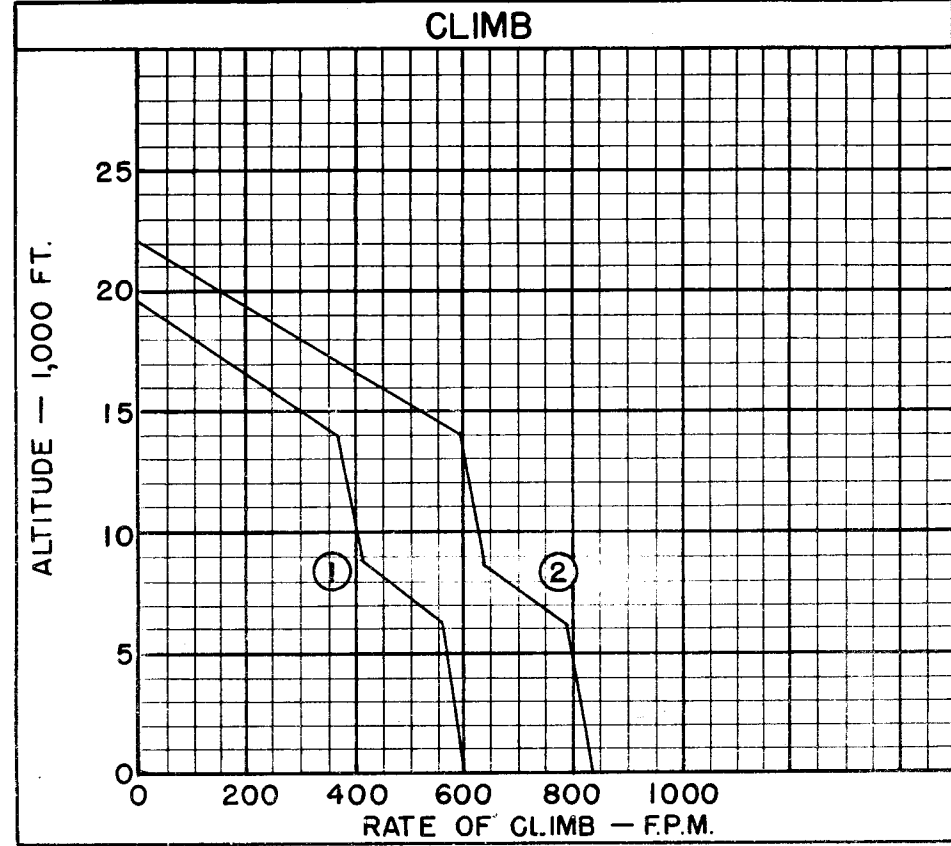
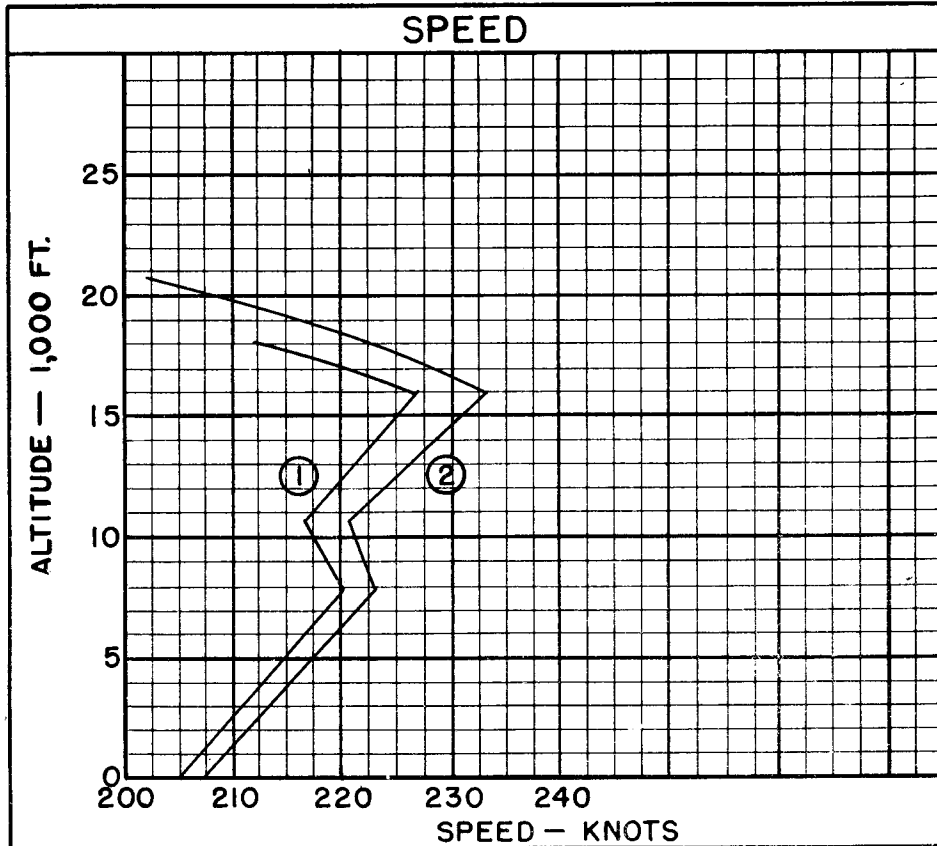
LOADING CONLITION		(1) CARGO - TROOP TRANSPORT	(2) CARGO - TROOP TRANSPORT	(3) CARGO - TROOP TRANSPORT	
TAKE-OFF WEIGHT	lbs	52000	45000	48000	
Fuel	lbs	8838	8838	8838	
Bombs	lbs				
PAYLOAD	lbs	10000	3000	6000	
Wing/Power Loading (A)	lbs/sc.ft. lbs/ bhp	38.2/17.9	33.1/15.5	35.3/16.6	
Stall Speed--Power off	kn	76.6	71.2	73.6	
Stall Speed--Power off - No Fuel	kn	69.8	63.8	66.5	
Stall Speed--Power on	kn				
Maximum Speed/Alt (B)	kn/ft	227/16000	233/16100	230/16000	
Take-off Distance, deck -- calm	ft	1900	1300	1540	
Take-off Distance, deck	kn. ft				
Take-off Distance, Airport (50 ft.)	ft	4900	3160	3850	
Rate of climb -- sea level (B)	ft/min	595	830	720	
Service Ceiling (B)	ft	18000	20600	19300	
Time-to-climb 10000 ft. (B)	min	19.2	13.3	15.5	
Time-to-climb 20000 ft. (B)	min		38.6		
Combat Range/V av 1500	ft. n.mi/kn	1665/135	1960/121	1750/129	
Combat Radius/V av	ft. n.mi/kn				
LOADING CONDITION					
GROSS WEIGHT	lbs				
Engine power					
Fuel	lbs				
Bombs/Tanks					
Max. speed at sea level	kn				
Max. speed	ft. kn				
Combat speed/Alt.	kn/ft				
Rate of climb SL	ft/min				
Ceiling for 500 fpm R/C	ft				
Time-to-climb/Alt.	min/ft				

NOTES

- (A) BHP at Maximum Critical Altitude
(B) Normal BHP

Performance is based on flight test of the R5C-1 airplane. Range is based on engine specification, fuel consumption data increased by 5%.

 Maximum combat range is reduced by generator limitations which restrict operation below 1600 RPM.



NOTES

Provisions for 40 troop seats or 24 litter patients are incorporated.

Performance includes the effect of de-icer boots. Removal of de-icer boots increases Vmax at ACA by 4.5 knots and maximum combat range at 1500 ft. by 3%.

Performance with one engine inoperative, propeller feathered, landing gear and flaps retracted is estimated to be:

Gross Weight.....50000#
Rate of Climb - S.L. - T.O. Power.....110 Ft./Min.
Service Ceiling (normal power) is 1000 ft. at 42300#

100 gallons auxiliary fuel tanks may be installed in pairs in the main cabin, up to 1600 gallons.

Engine ratings from Flight Test:

	<u>Bhp.</u>	<u>Rpm.</u>	<u>Alt.</u>
T.O.	2000	2700	S.L.
Mil.	2000	2700	1500'
	1600	2700	13500'
Norm.	1600	2400	6100'
	1450	2400	14000'