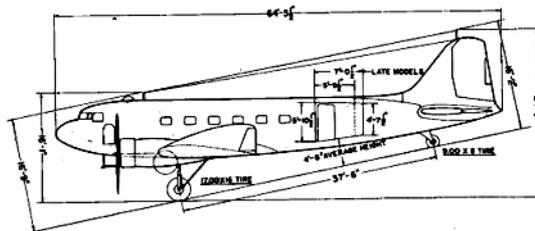
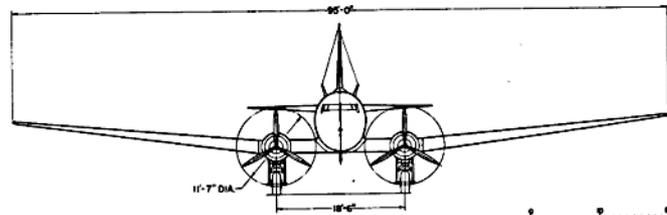
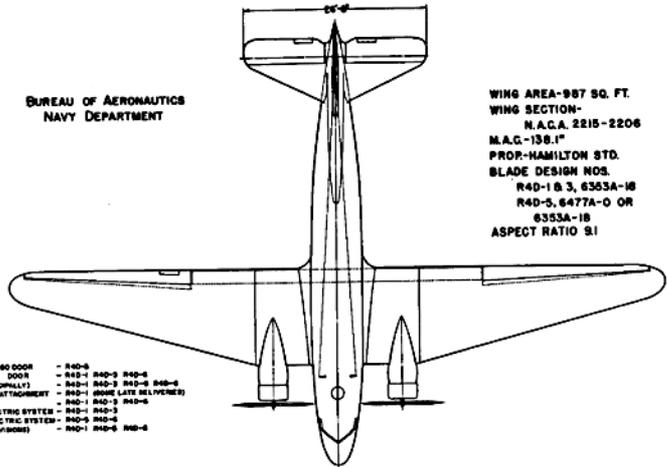


STANDARD AIRCRAFT CHARACTERISTICS
R4D-6 "SKYTRAIN"

BUREAU OF AERONAUTICS
NAVY DEPARTMENT

WING AREA-987 SQ. FT.
WING SECTION-
N.A.C.A. 2215-2206
M.A.G.-138.1"
PROP-HAMILTON STD.
BLADE DESIGN NOS.
R4D-1 B 3, 6353A-18
R4D-5, 6477A-0 OR
6353A-18
ASPECT RATIO 9.1

NARROW CARBO DOOR - R4D-5
WIDE CARBO DOOR - R4D-5 R4D-3 R4D-6
TROOP (SPECIALLY) - R4D-1 R4D-3 R4D-6 R4D-8
GLIDER TOW ATTACHMENT - R4D-1 (SAME LATE DELIVERIES)
ASTRODOME - R4D-1 R4D-3 R4D-6
18 VOLT ELECTRIC SYSTEM - R4D-1 R4D-3
24 VOLT ELECTRIC SYSTEM - R4D-5 R4D-6
LITTER (PROVISIONS) - R4D-1 R4D-6 R4D-8



DESCRIPTIVE ARRANGEMENT



PERFORMANCE SUMMARY					
LOADING CONDITION		(1) Cargo-Troop Transport	(2) Cargo-Troop Transport		
TAKE-OFF WEIGHT	lbs	29000	26000		
Fuel	lbs	4824	4824		
Bombs	lbs				
Payload	lbs	5538	2538		
Wing/Power Loading (A)	lbs/sq.ft.lbs/ bhp	29.4/13.2	26.3/11.8		
Stall Speed--Power off	kn	69.1	65.4		
Stall Speed--Power off - No Fuel	kn	63.0	59.0		
Stall Speed--Power on	kn	58.6	55.4		
Maximum Speed/Alt (B)	kn/ft	202/13000	204/13000		
Take-off Distance, deck -- calm	ft	1241	935		
Take-off Distance, deck	kn. ft				
Take-off Distance, Airport	ft	2380	1900		
Rate of climb -- sea level (B)	ft/min	1060	1260		
Service Ceiling	(B) ft	24700	26600		
Time-to-climb 10000 ft. (B)	min	10.1	8.4		
Time-to-climb 20000 ft. (B)	min	25.7	20.5		
Combat Range/V av 1500	ft. n.mi/kn	1295/111	1405/107		
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				

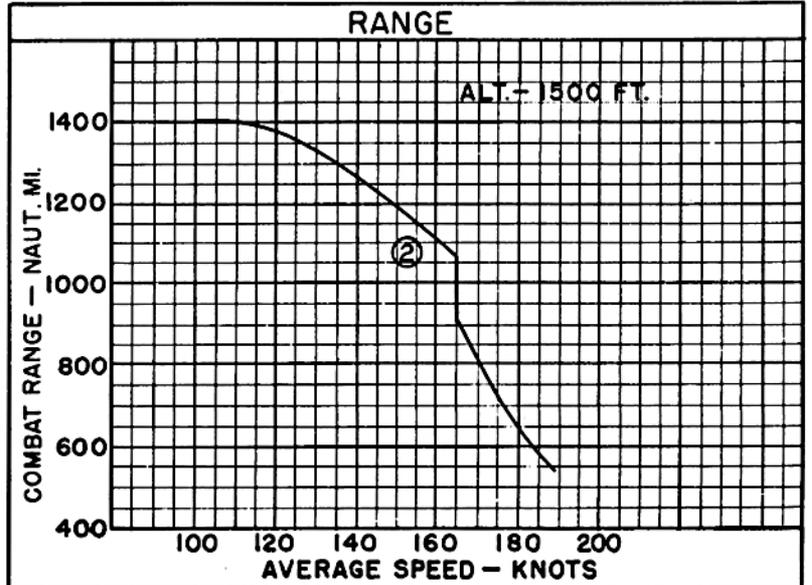
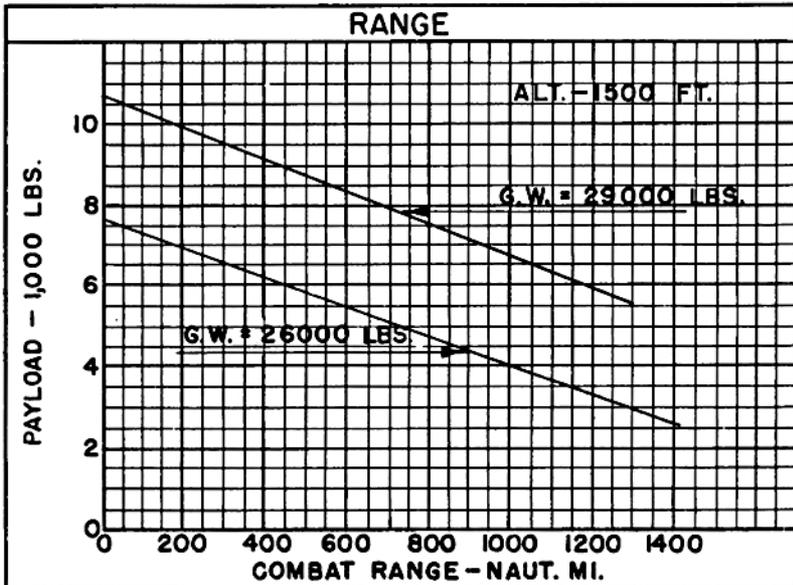
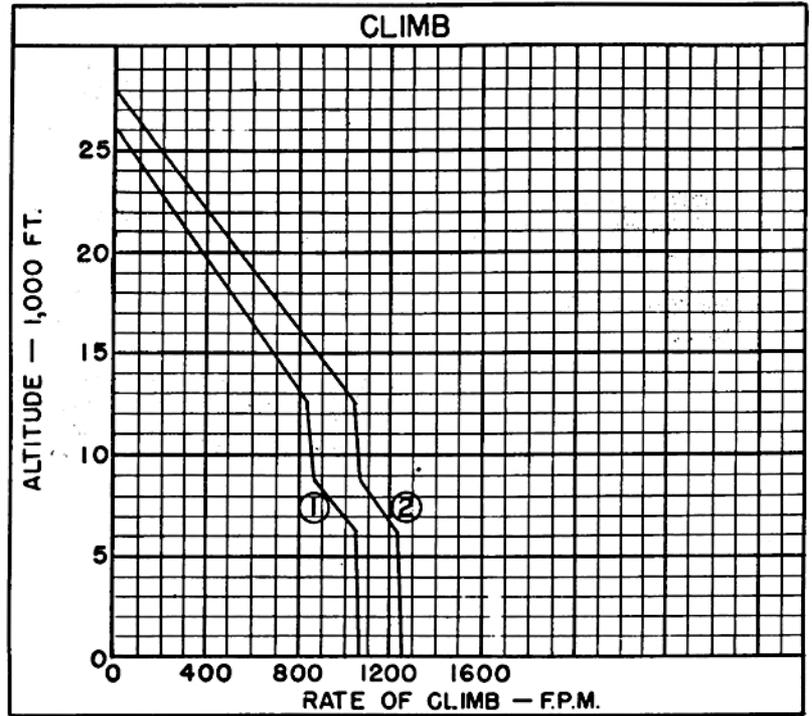
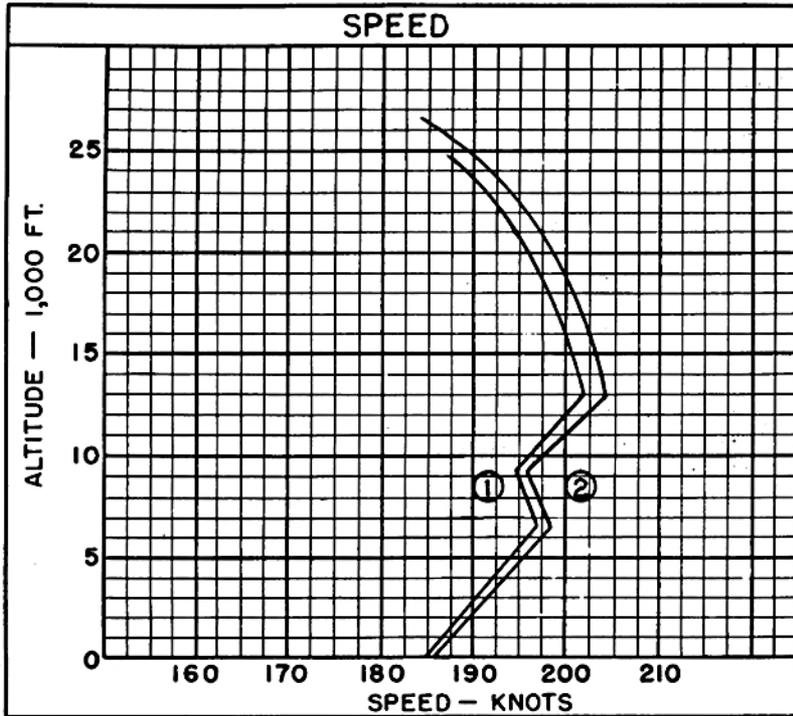
NOTES

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

Performance is based on flight test of the R4D-3 airplane. Range is based on A.E.L. fuel consumption data increased by 5%.

Provisions for 26 troop seats or 24 litter patients are incorporated.

NOTES CONTINUED ON BACK PAGE



○ LOADING CONDITION COLUMN NUMBER

NOTES

Performance includes the effect of de-icer boots. Removal of de-icer boots increased Vmax at ACA by 3.0 knots and maximum combat range at 1500 ft. by 2%.

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

Gross Weight.....26000#
Rate of Climb - S.L. - T.O. Power.....335 ft./min.
Service Ceiling - Normal Power.....12600 ft.