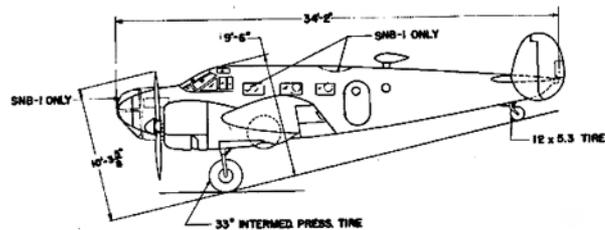
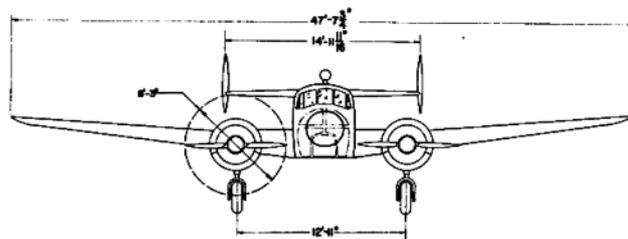
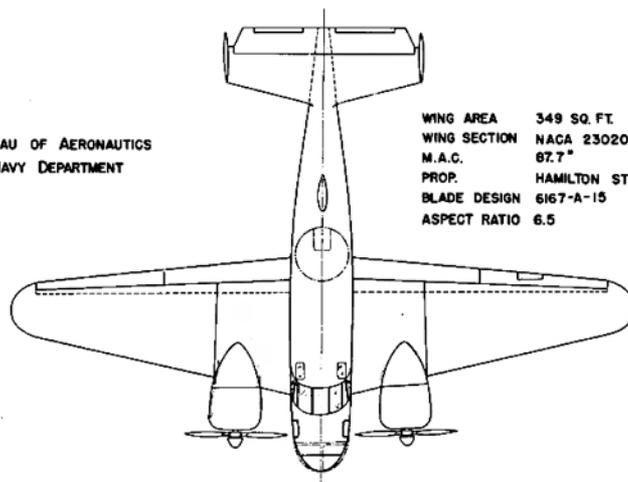


STANDARD AIRCRAFT CHARACTERISTICS
SNB-1 "KANSAN"
SNB-2,-3,-4 "NAVIGATOR"

BUREAU OF AERONAUTICS
NAVY DEPARTMENT

WING AREA 349 SQ. FT.
WING SECTION NACA 23020-23C?
M.A.C. 87.7"
PROP. HAMILTON STD.
BLADE DESIGN 6167-A-15
ASPECT RATIO 6.5



DESCRIPTIVE ARRANGEMENT

MISSION AND DESCRIPTION

Originally designed for bombing training (SNB-1), its present primary mission is in multi-engine and instrument training. Also used for maintaining flight proficiency in multi-engine type and for flying classroom training of radar operators and night fighters.

Procured from Army Air Forces for Navy use; manufactured by Beech Aircraft Co. A low-wing, twin-engine, five- to seven-place conventional airplane of all-metal construction (Navy version of AF AT-11)

WEIGHTS

Loadings	Lbs.	L.F.
EMPTY.....	5800.....	
BASIC.....	6109.....	
DESIGN.....	8727.....	3.44
MAX. T.O....	8730.....	3.44
MAX. LAND...	8300.....	

All weights are actual.

FUEL AND OIL

Gals. - No. Tanks - Location
206.....4.....Wing

FUEL GRADE.....	91/98
FUEL SPEC.....	AN-F-48

OIL

CAPACITY (Gals.).....	16
SPEC.....	AN-O-8
GRADE.....	1100-1120

DIMENSIONS

SPAN.....	47'-8"
LENGTH.....	34'-2"
HEIGHT.....	10'-4"
WING AREA.....	349 sq. ft.
M.A.C.....	87.7"
TREAD.....	12'-11"

ELECTRONICS

SNB-1	
COMMAND.....	SCR-283

SNB-2, -3	
COMMAND.....	SCR-283
COMPASS.....	SCR-269G
MARKER BEACON.....	RC-43B

POWER PLANT

NO. & MODEL	(2) R-985-AN-1
MFR.....	P. & W.
SUPERCH.....	1 Stage, 1 Speed
PROP.GEAR RATIO.....	D.D.
PROP. MFR.....	Ham. Std.
PROP.DES.NO.....	6167A-15
NO.BL./DIA.....	2/8'-3"

RATINGS

	Bhp. @	Rpm. @	Alt.
T. O.	450	2300	SL
NORMAL	400	2200	SL

SPEC. AN-2035

ACCOMMODATIONS

- 1 Bombardier Trainer
- 2 Instrument Trainer
- 3 Navigator Trainer
- 4 Pilot proficiency airplane



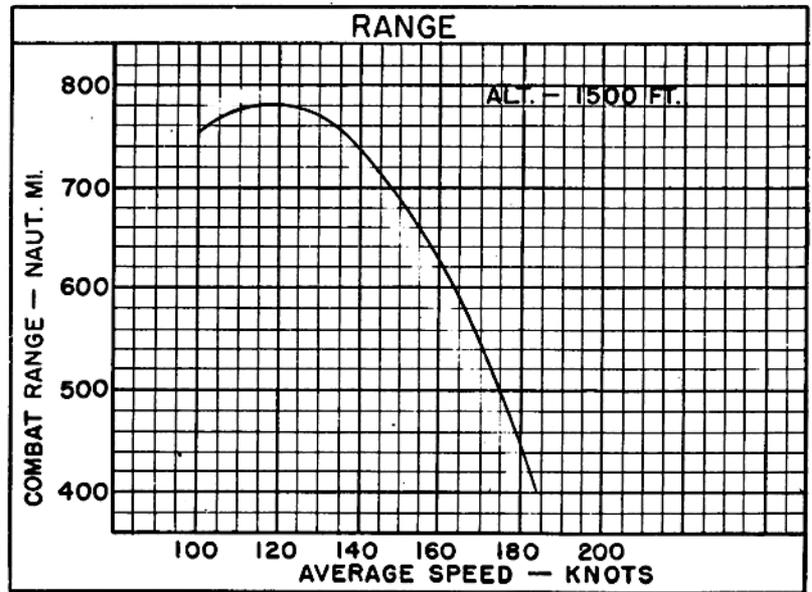
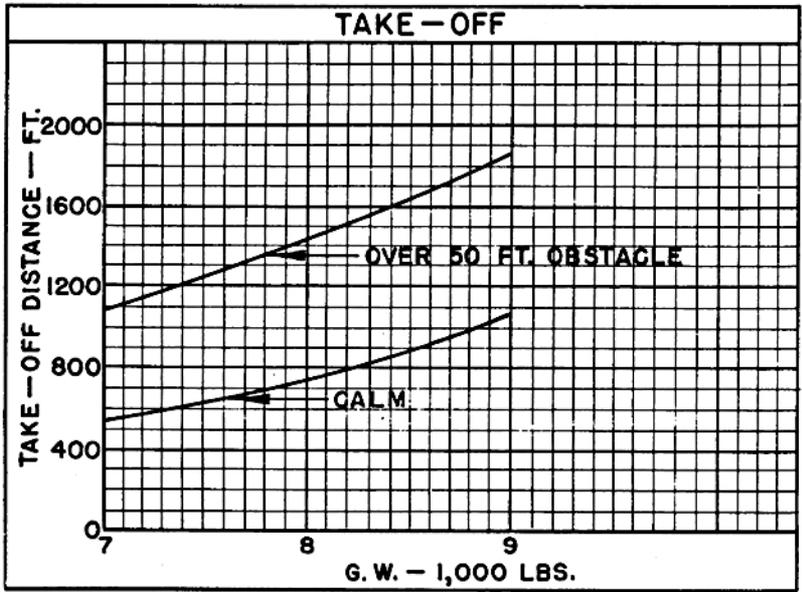
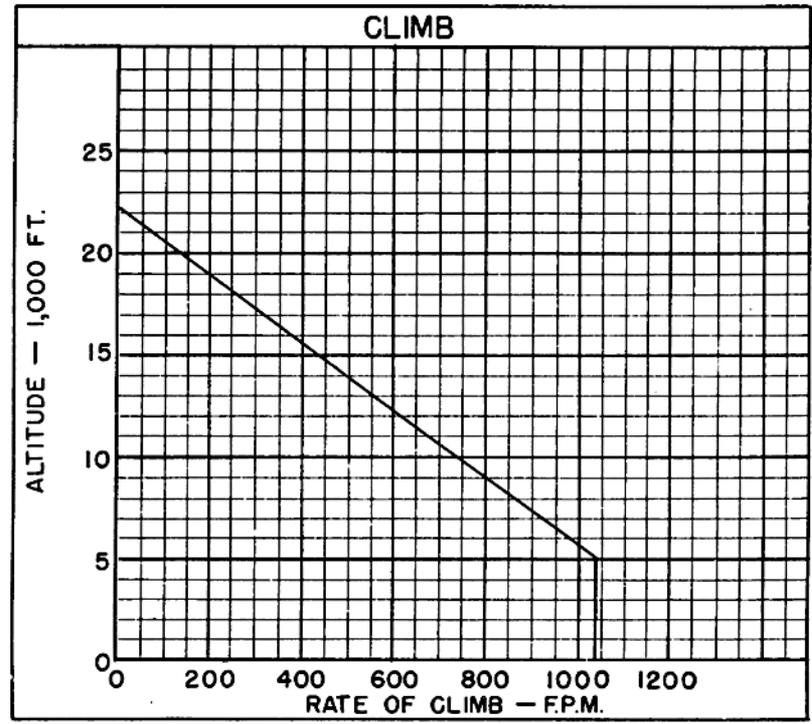
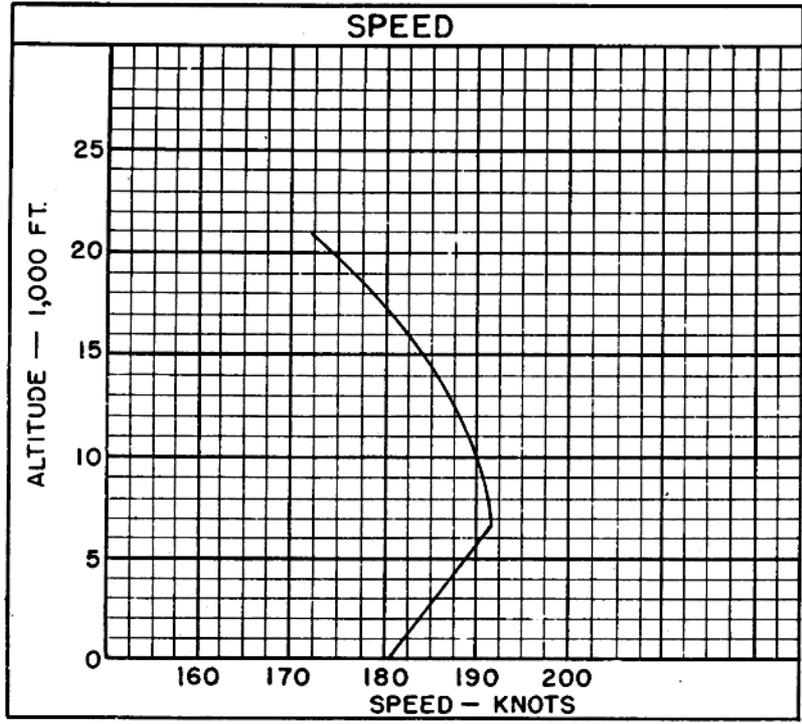
PERFORMANCE SUMMARY			
LOADING CONDITION		TRANSPORT	
TAKE-OFF WEIGHT		8730	
Fuel	lbs	1236	
Bombs	lbs		
CARGO	lbs	925	
Wing/Power Loading (A)	lbs/sq.ft. lbs/bhp	25.0/10.9	
Stall Speed--Power off	kn	68.2	
Stall Speed--Power off - No Fuel	kn	63.2	
Stall Speed--Power on	kn	55.9	
Maximum Speed/Alt (B)	kn/ft	192/6700	
Take-off Distance, deck -- calm	ft	965	
Take-off Distance, deck 25 kn.	ft		
Take-off Distance, Airport	ft	1740	
Rate of climb -- sea level (B)	ft/min	1040	
Service Ceiling (B)	ft	20800	
Time-to-climb 10000 ft. (B)	min	16.6	
Time-to-climb 20000 ft. (B)	min	43.4	
Combat Range/V av 1500	ft. n.mi/kn	780/122	
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 tests of the JRB-1 airplane. Range is based on engine specification fuel consumption data increased by 5%.

All data calculated with de-icer boots installed. Removal of de-icer boots increases Vmax by 5 knots.



○ LOADING CONDITION COLUMN NUMBER