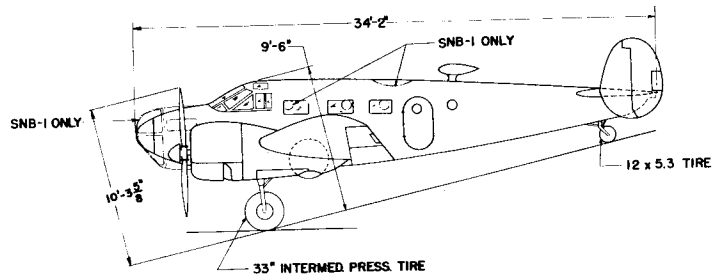
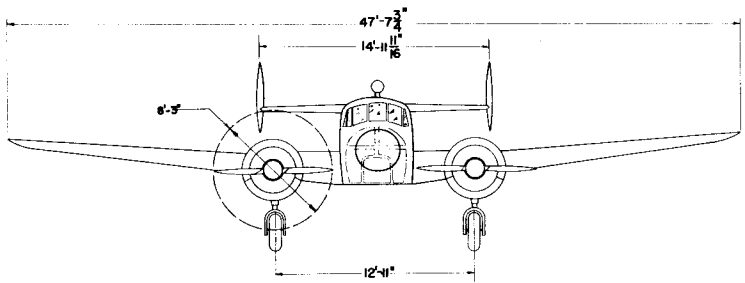
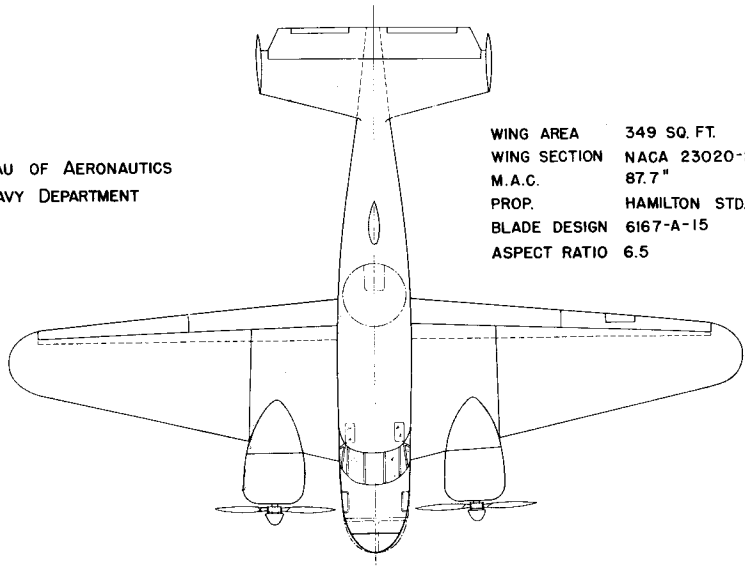


STANDARD AIRCRAFT CHARACTERISTICS  
SNB-1 "KANSAN"  
SNB-2,-3,-4 "NAVIGATOR"

BUREAU OF AERONAUTICS  
NAVY DEPARTMENT

WING AREA 349 SQ. FT.  
WING SECTION NACA 23020-23C'<sup>2</sup>  
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.

### 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

### 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

### ACCOMMODATIONS

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

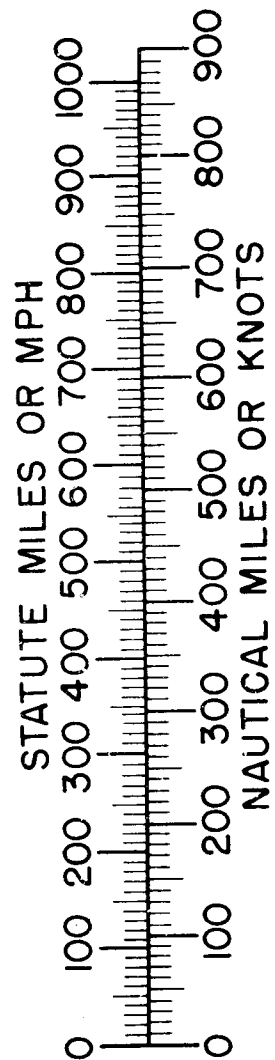
### DIMENSIONS

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



## 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			
<b>LOADING CONDITION</b>				
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.

