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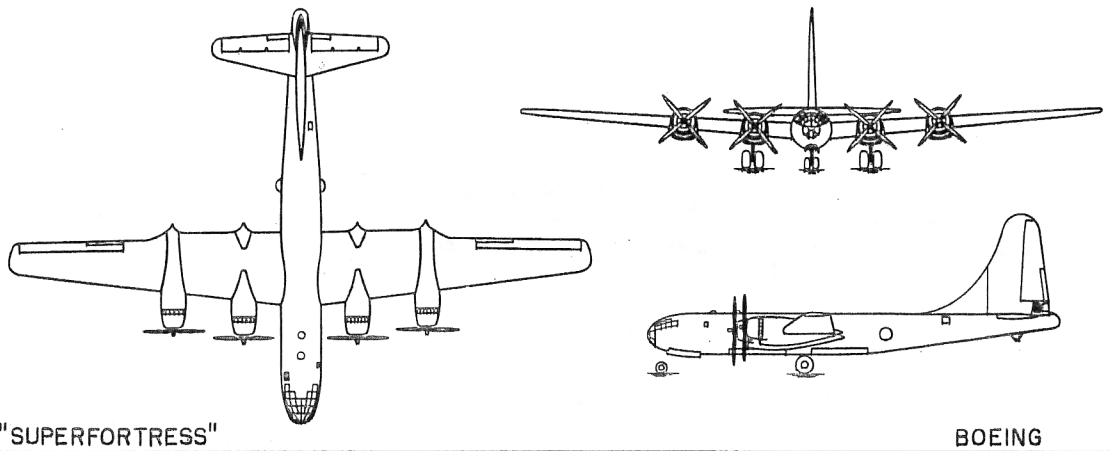
Characteristics Summary

TRAINER TB-50D



"SUPERFORTRESS" BOEING

Wing Area . . . . . 1720 sq ft Length . . . . . 99.0 ft

Span . . . . . 141.2 ft Height . . . . . 32.7 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

1. The TB-50D was developed from the B-50D airplane.
2. Contract Approval: Apr 50
3. First Flight: Feb 51
4. First Acceptance: Jan 51
5. Production Completed: Jun 51

Navy Equivalent: None Mfr's Model: 345-9-24

POWER PLANT

(4) R-4360-35
Pratt & Whitney
ENGINE RATINGS

	BHP	-RPM-	-ALT-	-MIN
T.O:	*3500	-2700-	SL	-5
	3250	-2700-	SL	-5
Mil:	*3500	-2700-	Turbo	-30
	3250	-2700-	Turbo	-30
Nor:	2650	-2550-	Turbo	-Cont

* Wet

FEATURES

Crew: 13
includes
Navigator Trainees plus Instructor 3
Radar & K-3 Trainees plus Instructor 5
K-3 Bombing-Navigational System
Cabin Pressurization
Thermal Anti-icing
Folding Fin and Rudder
Reversible Pitch Props

Max Fuel Capacity: *8055gal

*Includes Nacelle Skate Tanks

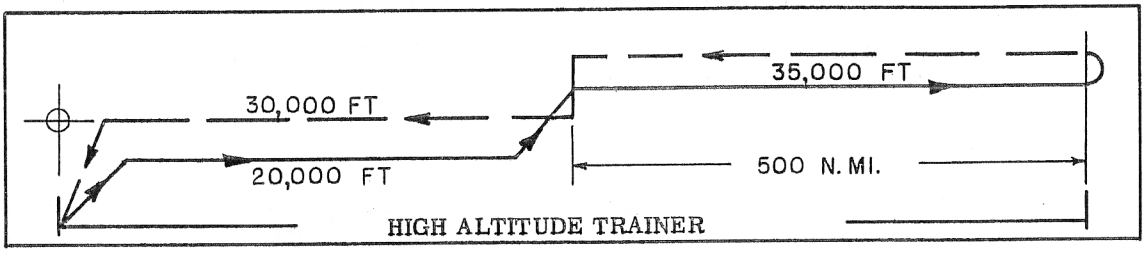
ARMAMENT

Turrets: . . . . . None
Guns: . . . . . None

BOMBS

	Maximum Size (lb)	Load (lb)
War II		
Box Fin	1000	20x500

Characteristics Summary Basic Mission TB-50D



PERFORMANCE

COMBAT RADIUS

1749 naut. mi
with 10,000 lb payload
at 273 knots avg.
in 13.1 hours.

FERRY RANGE

4373 naut. mi
with 8055 gal fuel
at 215 knots avg.
in 20.4 hours
at 135,646 lb T.O. wt.

S P E E D

COMBAT 357 knots at 35,000 ft alt, max power
MAX 363 knots at 31,000 ft alt, max power
BASIC 353 knots at 25,000 ft alt, max power

C L I M B

1040 fpm
sea level, take-off weight
normal power

2300 fpm
sea level, combat weight
maximum power

C E I L I N G

35,200 ft
100 fpm, take-off weight
normal power

38,500 ft
500 fpm, combat weight
maximum power

TAKE-OFF

ground run

3940 ft	——— ft
no assist	assisted

over 50 ft height

4850 ft	——— ft
no assist	assisted

L O A D

Bombs: 10,000 lb

Fuel:	8055	gal
protected	100	%
droppable	0	%
external	0	%

W E I G H T S

Empty..... 79,104 lb
Combat... 106,777 lb
Take - off 145,646 lb
limited by space

STALLING SPEED

99.0 knots
power-off, landing configuration, take-off weight

TIME TO CLIMB

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N O T E S

1. Performance Basis:
   (a) Data Source: Calculations based on flight test of B-50D aircraft with configuration adjustments.
2. Revision Basis: Data coordinated this date.