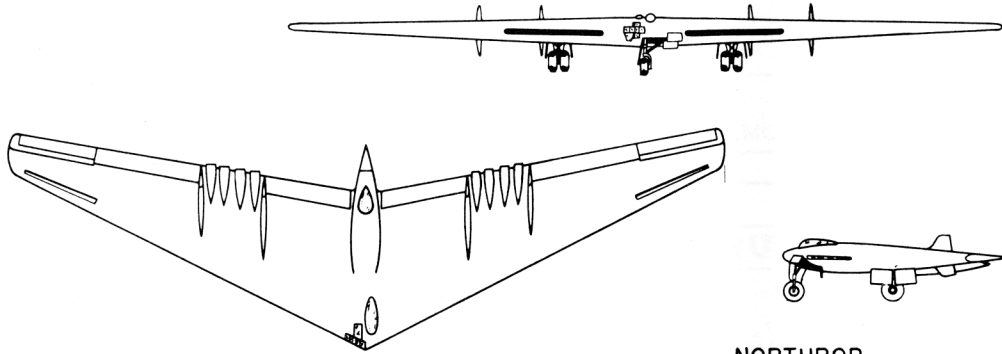


A-1
(Y)B-49/char

Characteristics Summary

BOMBER..... YB-49



NORTHROP

Wing area 4000 sq ft Length 53.1 ft
 Span 172.0 ft Height 15.2 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

SERVICE TEST

1. First flight: October 1947
2. Two service test articles completed.

POWER PLANT

(8) Turbo-Jet J 35-A-15
Allison

S.L. Static LB - RPM

T.O: 4000 - 7700

Max: 4000 - 7700

Nor: 3500 - 7400

FEATURES

Crew: 6

Cabin Pressurization,
Heating and Cooling

Max. Fuel Capacity:
16,322 gal.

ARMAMENT

Turrets: None

Guns: None

Max. Bomb Load:
(10) 1600 lb

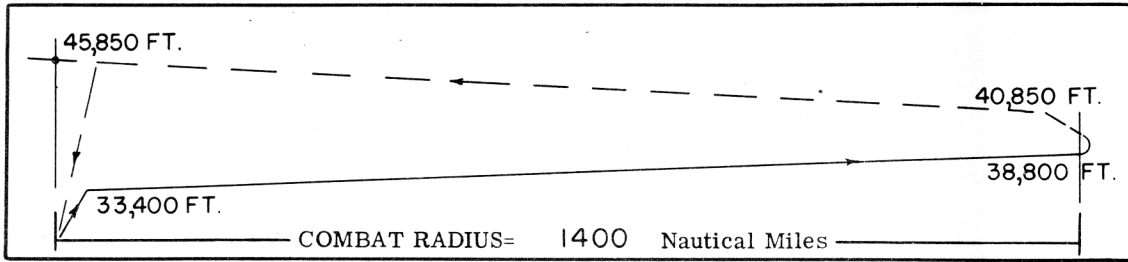
Max. Bomb Size: 4000 lb

*Revised to reflect
change in taking
weight.
20 Dec 49*

Classification cancelled
or changed to Unclassified
AUTH: AFSC AF 40 Dec class Good 1 Jan 64
By C. R. Lorneborn 14 Sep 64 SOW Dir 5200.10
Signature and Grade 13 Dec 1966

1 Dec 1949 addn

Characteristics Summary Basic Mission YB-49



P E R F O R M A N C E		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
1400 naut. mi with 10,000 lb payload at 365 knots avg. in 7.8 hours.	2740 naut. mi with 10,000 lb payload at 364 knots avg. in 7.6 hours.	402 knots at 35,000 ft alt, max power
		MAXIMUM SPEED
		428 knots at 21,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
1750 fpm sea level, take-off weight normal power	35,200 ft 100 fpm, take-off weight normal power	ground run 5040ft no assist — ft assisted
3700 fpm sea level, combat weight maximum power	40,700 ft 500 fpm, combat weight maximum power	over 50 ft height 6070ft no assist — ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Bombs: 10,000 lb Fuel: 13,648 gal protected 37 % droppable 0 % external 0 %	Empty..... 88,442 lb Combat... 135,680 lb Take - off 196,193 lb limited by space	90 knots flaps down, take-off weight
		TIME TO CLIMB
		—————

- N O T E S**
- PERFORMANCE BASIS: NACA standard conditions no wind, single airplane;
 - Fuel consumption based on flight tests increased 5%.
 - Airplane manufacturer's flight test and wind tunnel data
 - Actual weights of airplane.
 - Engine manufacturer's estimated data.
 - First airplane of YB-49 series (serial no. 42-102367)
 - REVISION BASIS: To reflect manufacturer's latest data

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Ohio 45433