

Initial issue

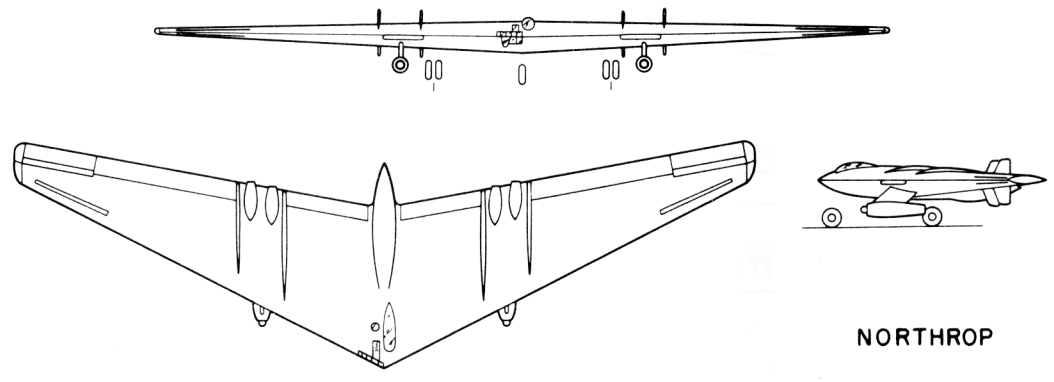
*A-1
(Y)B-35B/4A*

CONFIDENTIAL

SERVICE TEST

Characteristics Summary

BOMBER..... YB-35B



NORTHROP

Wing area 4000 sq ft Length 53.1 ft
 Span 172.0 ft Height 20.1 ft

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

STATUS

SERVICE TEST

1. Construction completion of first airplane scheduled for December 1949 (estimated).
2. First flight: January 1950 (estimated)
3. First delivery: February 1950 (estimated)

POWER PLANT	
(6) Turbo-jet	J 35-A-19
	Allison
ENGINE RATINGS	
S.L. Static	LB - RPM
T.O:	4900 - 7800
Mil:	4900 - 7800
Nor:	4240 - 7400

FEATURES	
Crew:	4
Cabin Pressurization and Cooling	
Max Fuel Capacity:	14,688 gal

ARMAMENT
NONE

Classification cancelled or changed to...
 AUTH: *[Signature]*
 By *[Signature]* Signature and Grade 13 Dec 1966
 DOD Dir 5300.10

14 OCT. 1949

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YB-35B

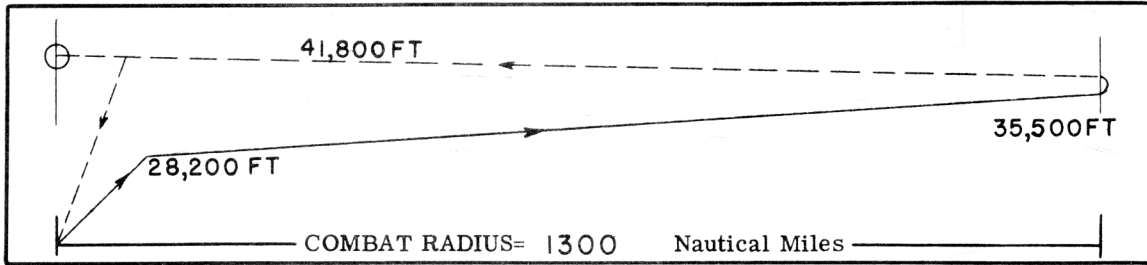
1 Dec 1949 addn

A-1
 (Y) B-35B/CHAR

SERVICE TEST

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Characteristics Summary Basic Mission.....YB-35B



PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
1300 naut. mi with 0 lb payload at 337 knots avg. in 7.9 hours.	2640 naut. mi with 0 lb payload at 337 knots avg. in 7.9 hours.	380 knots at 35,000 ft alt, max power
		MAXIMUM SPEED
		381 knots at 35,332 ft alt, max power
CLIMB	CEILING	TAKE-OFF
1500 fpm sea level, take-off weight normal power	30,200 ft 100 fpm, take-off weight normal power	ground run 4280 ft no assist — ft assisted
3050 fpm sea level, combat weight maximum power	36,200 ft 500 fpm, combat weight maximum power	over 50 ft height 5380 ft no assist — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Bombs: None Ammunition: None	Empty..... 82,807 lb Combat... 125,715 lb Take - off *175,000 lb limited by strength	88 knots flaps down, take-off weight
Fuel: 13,500 gal protected 37 % droppable 0 % external 0 %		TIME TO CLIMB —————

NOTES

- PERFORMANCE BASIS: (a) Estimated data
 (b) In computing Radius & Range, specific fuel consumption has been increased 5% to allow for variation of fuel flow in service aircraft.
- Fuel density 6.7 lb/gal.
- YB-35 & A (recip. engines) modified as YB-35B to accommodate (6) turbo jets for use in exploration and development of flying wing type aircraft.
- REVISION BASIS: Initial issue
 *Limited to 85% design gross weight pending static test.