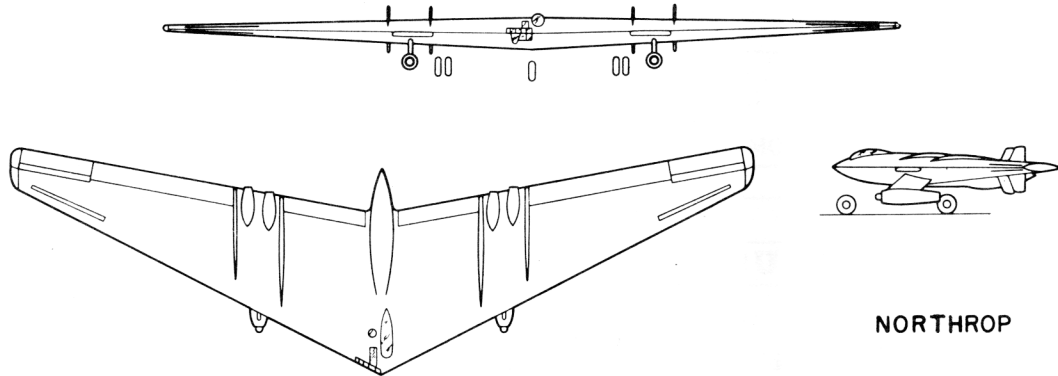


A-1
(YR)B-49A/CAN

Characteristics Summary

RECONNAISSANCE YRB-49A



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

1. Construction completion of first airplane scheduled for January 1950 (estimated)
2. First flight: February 1950 (estimated)
3. First delivery: September 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: 5
Cabin Pressurization and Cooling
Thermal Anti-icing
Window Defrosting Loran
(6) T-89 Flash Bombs
Max Fuel Cap: 14,688 gal

CAMERAS

No.	Type	Lens	Usage
1	T-11	6"	Mapping
5	K-17	6,12,24"	
1	K-22	6,12,24"	
1	K-37	12"	
8	K-38	24,36"	
1	O-15		Radar Record

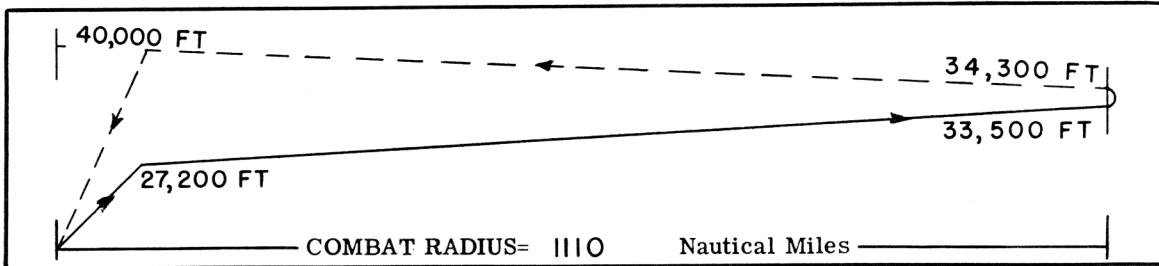
Classification cancelled
or changed to Unclassified

AUTH: AFSC AF 5C Sec Class Guide 1 Jun 64
BY: A.R. Longborn 1 Apr 64
Dir 5200.10

Signature and Grade 13 Dec 1966

1 Dec 1949 addn

Characteristics Summary Basic Mission ··· YRB - 49A



P E R F O R M A N C E		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
1110 naut. mi with 1128 lb payload at 336 knots avg. in 6.8 hours.	2250 naut. mi with 1128 lb payload at 340 knots avg. in 6.7 hours.	380 knots at 35,000 ft alt, max power
		MAXIMUM SPEED
		381 knots at 35,332 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
1460 fpm sea level, take-off weight normal power	29,200 ft 100 fpm, take-off weight normal power	ground run 4280 ft no assist — ft assisted
2900 fpm sea level, combat weight maximum power	34,500 ft 500 fpm, combat weight maximum power	over 50 ft height 5380 ft 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
Flash Bombs: 1128 lb Cameras: 936 lb	Empty..... 88,427 lb Combat... 129,487 lb Take - off *175,000 lb limited by strength	88 knots flaps down, take-off weight
Fuel: 12,280 gal protected 41 % droppable 0 % external 0 %		TIME TO CLIMB —

N O T E S

- PERFORMANCE BASIS: (a) Estimated data
(b) In computing Radius and Range, specific fuel consumption has been increased 5% to allow for variations of fuel flow in service aircraft.
- Fuel density: 6.7 lb/gal
- B-35 (recip. engines) modified as YRB-49A to accommodate (6) turbo jets and photo equipment.
- REVISION BASIS: Initial issue.
*Limited to 85% design gross weight pending static test.