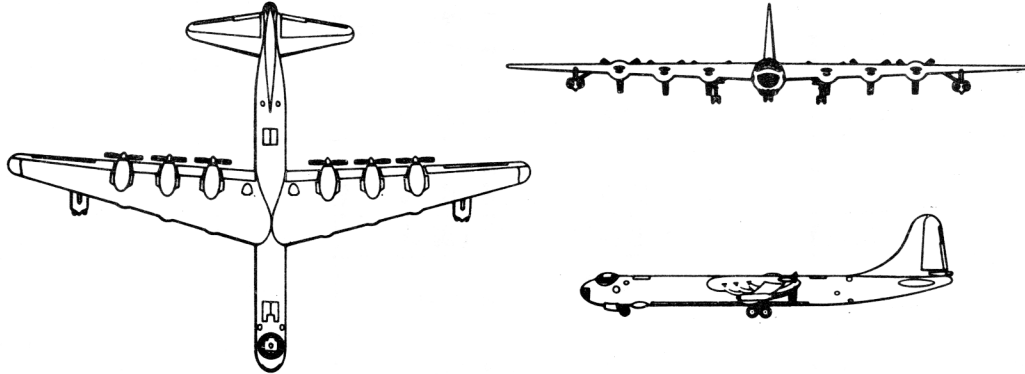


Characteristics Summary

BOMBER **B-36D (III)**



CONSOLIDATED-VULTEE

Wing Area. 4772 sq ft Length. 162.1 ft
 Span. 230.0 ft. Height 46.8 ft

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

STATUS		
1. Contract Approved:	Feb. 54	5. Major difference from the B-36D standard aircraft is the removal of all turrets except tail turret, self-sealing pads and fuel purging system; replacement of blisters by small flush windows.
2. First Flight:	June 54	
3. First Delivery:	June 54	
4. Modification Completed:	Dec. 54	
Navy Equivalent:	None	Mfr's Model: 36

POWER PLANT			
(6) R-4360-41 Pratt and Whitney			
ENGINE RATINGS			
BHP	RPM	ALT	MIN
T.O: *3500	- 2700	- Turbo	- 5
3250	- 2700	- Turbo	- 5
Mil: *3500	- 2700	- Turbo	- 30
3250	- 2700	- Turbo	- 30
Nor: 2650	- 2550	- Turbo	- Cont
*Wet			
plus			
(4) J47-GE-19 General Electric			
S.L.Static	LB	RPM	MIN
Max:	5200	- 7950	- 5
Mil:	5200	- 7950	- 30
Nor:	4730	- 7630	- Cont

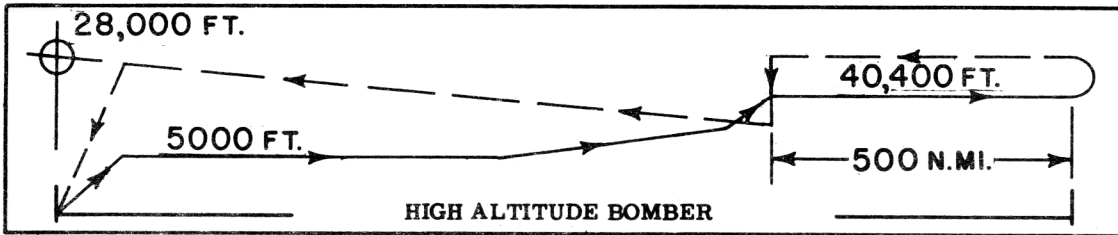
FEATURES
Crew. 13
Cabin Pressurization
Thermal Anti-Icing
Bombing-Navigational Radar
K-3A System
Chaff Dispenser AN/ALE-6
Gun-Laying Radar AN/APG-32 or AN/APG-32A
Loran
Defensive ECM
Single Point Fueling
Removable Jet Pods
Max Fuel Cap: . . . *33,626 gal

ARMAMENT	
Turrets 1
Guns2 x 20 mm (M-24A1)
Ammunition (tot)	1200 rds
BOMBS (max):	
Class (lb)	Load
WWII	
(Box Fin) 12 x 4000	72 x 1000
INTERIM	
(Conical Fin):	26 x 2000/129 x 500
NEW SERIES:	
	6 x 3000/48 x 750

Classification cancelled. Unclassified
 or changed to ~~Confidential~~
 A. J. D. Dir 5200.10
 By G. R. Johnson 16 Dec 1966
 Signature and Grade 8 Jan 68

577/c498

Characteristics Summary Basic Mission B-36D (III)



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
3260 naut. mi with 11,408 lb payload at 192 knots avg. in 33.7 hours.	8200 Naut. Mi. with 32,957 gal fuel at 181 knots avg. in 45.5 hours at 370,000 lb T.O. wt.	COMBAT 359 knots at 40,400 ft alt, max power MAX 363 knots at 37,300 ft alt, max power BASIC 343 knots at 25,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
970 fpm sea level, take-off weight normal power	31,400 ft 100 fpm, take-off weight normal power	ground run 4400 ft no assist _____ ft assisted
2330 fpm sea level, combat weight maximum power	41,300 ft 500 fpm, combat weight maximum power	over 50 ft height 5685 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
Bombs: 10,000 lb Chaff: 1408 lb Ammunition: 1200 rds/20mm Fuel: 30,991 gal protected (Part) . . 0% droppable 0% external 0%	Empty 161,264 lb Combat 244,400 lb Take-Off *370,000 lb *Limited by structure	107 knots power-off, landing config- uration, take-off weight T I M E T O C L I M B _____

N O T E S

1. Performance Basis:
Calculations based on flight test of B-36D Aircraft with configuration adjustments.
2. Revision Basis:
To reflect Featherweight Flight Test data and approved engineering changes.

B-36D (III)

Property of the Air Force Museum
Wright-Patterson Air Force Base
Ohio 45433
SECRET AUG 55