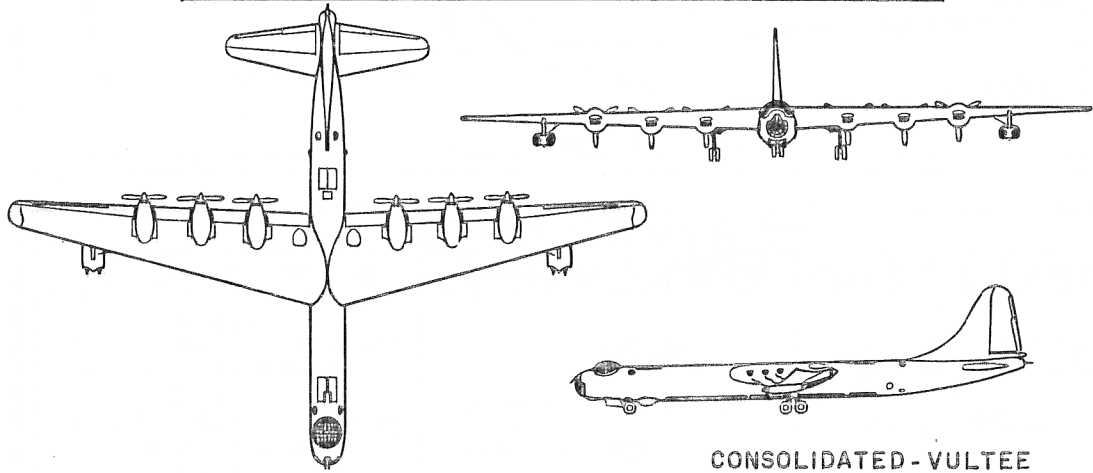


Characteristics Summary

BOMBER B-36D



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. Differs from B-36B by the addition of removable jet pods, new propeller blades and redesigned fuel system.
2. Design Initiated: Jan 49
3. Prototype First Flight: Mar 49
4. First Delivery: Aug 50
5. Production Completed: Jun 51

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

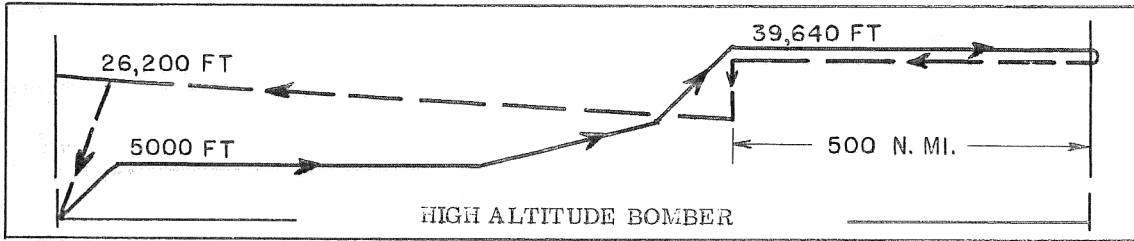
Crew 15
Cabin Pressurization
Thermal Anti-Icing
Bombing-Navigation Radar
K-3A System
Gun Laying Radar AN/APG-32
Loran
Defensive ECM
Single-Point Fueling
Fuel Tank Purging
Removable Jet Pods
Max Fuel Cap: . . *33,626 gal
*Total capacity usable only for special loading when equipment has been removed from aircraft.

ARMAMENT

Turrets 8
Guns . . 16 x 20mm(M-24A1)
Ammunition (tot) . 9200 rds
BOMBS (max)
Class(lb) Load
WW II:
(Box Fin) 12x4000/72x1000
INTERIM:
(Conical Fin)
22x2000/129x500
NEW SERIES:
*2x43,000/2x43,000
*(2x43,000 lb) may be carried when gross weight does not exceed 357,500 lb. For gross weights above 357,500 lb, the Max Bomb Load is (72x1000 lb)

*This is a white copy for
this date without the
form.*

Characteristics Summary Basic Mission B-36D



P E R F O R M A N C E		
C O M B A T R A D I U S	F E R R Y R A N G E	S P E E D
3065 naut. mi with 10,000 lb payload at 193 knots avg. in 31.5 hours.	7652 naut. mi with 30,716 gal fuel (b) at 179 knots avg. in 42.8 hours at 356,854 lb T.O. wt.	COMBAT 351 knots at 39,640 ft alt, max power MAX 353 knots at 36,200 ft alt, max power BASIC 341 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
960 fpm sea level, take-off weight normal power	33,100 ft 100 fpm, take-off weight normal power	ground run 4400 ft — ft no assist assisted
2210 fpm sea level, combat weight maximum power	40,700 ft 500 fpm, combat weight maximum power	over 50 ft height 5685 ft — ft no assist 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 Ammunition : 9200 rds/20mm Fuel: 29,995 gal protected (part) 42.1 % Groppable 0 % external 0 %	Empty..... 161,371 lb Combat... 250,300 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:
 - (a) Flight Test
 - (b) Actual maximum fuel capacity without removing equipment and adding bomb bay tank.
2. Revision Basis: To reflect performance at higher gross weights, based on flight test.