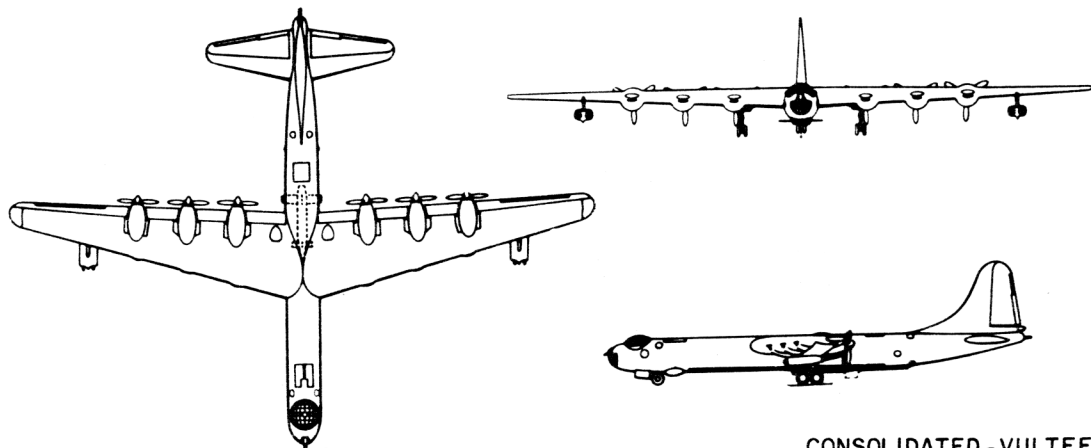


*Serial Issues*

# Characteristics Summary

DIRECTOR . . . . . DB-36H



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

- Major differences of the DB-36H from the B-36H are fairings in lieu of aft bomb bay doors, removal of all bomb racks, and the installation of B-63 supporting structures, release mechanism, and guidance equipment in the bomb bays.
- First Flight Prototype with B-63: Jul 53
- First Delivery: Mar 56 (est)
- Production Completion: Aug 56 (est)

Navy Equivalent: None

Mfr's Model: 36

### POWER PLANT

(6) R-4360-53  
Pratt & Whitney

#### ENGINE RATINGS

BHP - RPM - ALT - MIN  
 T.O: \*3800 - 2800 - SL - 5  
 Mil: \*3800 - 2800 - Turbo-30  
 3500 - 2800 - Turbo-30  
 Nor: 2800 - 2600 - Turbo-30  
 \* Wet

plus

(4) J47-GE-19  
General Electric

S.L. LB - RPM - MIN  
 Max: 5200 - 7950 - 5  
 Mil: 5200 - 7950 - 30  
 Nor: 4730 - 7630 - Cont

### FEATURES

Crew . . . . . 15

Cabin Pressurization  
 Thermal Anti-icing  
 K-3A Bomb-Nav. System  
 AN/APG-41A Gun-Laying  
 Radar  
 Chaff Dispenser  
 DB-36H/B-63 Guidance  
 Equipment  
 Loran  
 Convertibility to Bomber  
 Configuration  
 Defensive ECM  
 Single-Point Fueling  
 Fuel Tank Purging  
 Removable Jet Pods

Max Fuel Cap: . 30,630 gal

### ARMAMENT

Turrets . . . . . 8  
 Guns . . . 16x20mm(M24A1)  
 Ammunition (tot) . . 9200 rds  
 BOMBS:  
 No.                      Class(lb)  
 B-63 Pilotless Aircraft

Gross Weight . . . . 18,500  
 Warhead . . . . . 3000

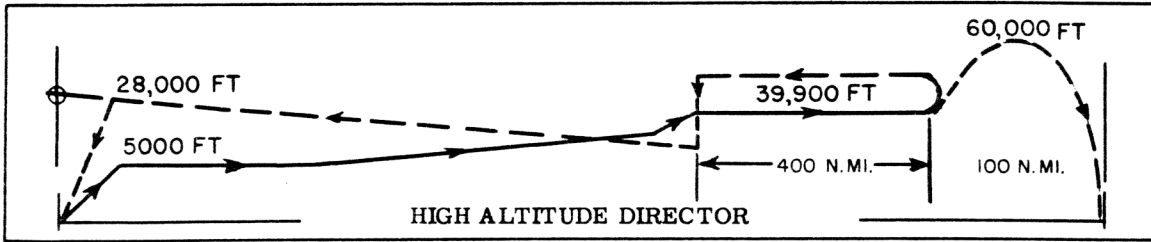
For additional characteristics and performance data for B-63, see "XB-63 Standard Aircraft Characteristics Summary"

Classification cancelled ~~Confidential~~  
 or changed to ~~Secret~~ ~~Unclassified~~  
 AUTH: AFCE-ATC-100-100-100-100-100-100  
 BY: C. R. [Signature] 1 April 67 200 DMV SWD-10  
 Signature and Grade 20 Feb 1967

*3rd Ed addn #12*

*53WC12000*

*Characteristics Summary Basic Mission . . . . . DB-36H*



<b>PERFORMANCE</b>		
<b>COMBAT RADIUS</b>	<b>FERRY RANGE</b>	<b>S P E E D</b>
2600 naut. mi with 19,908 lb payload at 199.5 knots avg. in 24.7 hours.	6640 naut. mi with 30,310 gal fuel at 190.0 knots avg. in 35.0 hours at 370,000 lb T.O. wt.	COMBAT 357 knots at 39,900 ft alt, max power MAX 360 knots at 36,500 ft alt, max power BASIC 341 knots at 25,000 ft alt, max power
<b>C L I M B</b>	<b>C E I L I N G</b>	<b>T A K E - O F F</b>
910 fpm sea level, take-off weight normal power	32,550 ft 100 fpm, take-off weight normal power	ground run 3990 ft   — ft no assist   assisted
2065 fpm sea level, combat weight maximum power	40,800 ft 500 fpm, combat weight maximum power	over 50 ft height 5110 ft   — ft no assist   assisted
<b>L O A D</b>	<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>
B-63 . . . . . 18,500 lb Chaff . . . . . 1408 lb Ammunition (tot) . . . . . . . . . . 9200 rds/20mm  Fuel: 26,990 gal protected(part) 47.0 stowable 0 external 0	Empty..... 168,624 lb  Combat... 251,000 lb  Take - off 370,000 lb  limited by structure	107 knots power-off, landing config- uration, take-off weight  <b>T I M E T O C L I M B</b>  _____

**N O T E S**

1. Performance Basis:

- (a) Calculations based on flight test of B-36F with configuration adjustments.
- (b) Performance of B-63 obtained from "XB-63 Standard Missile Characteristics", dated 10 November 1952, with the launch weight increased 500 lb.
- (c) J47 engines used for take-off, all climbs and cruise above 30,000 ft, 15 minute normal power run-in, evasive action and escape from target.

2. Revision Basis: Initial Issue.