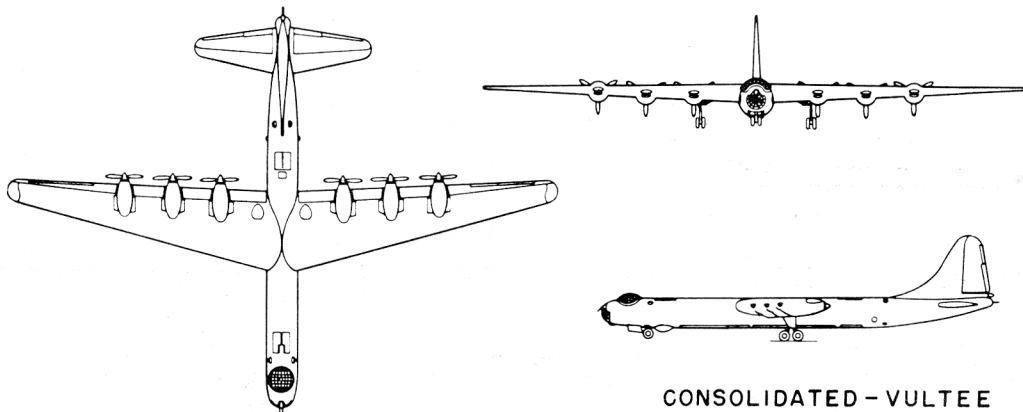


A-1
B-36 Elchar

Characteristics Summary

BOMBER B-36B



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

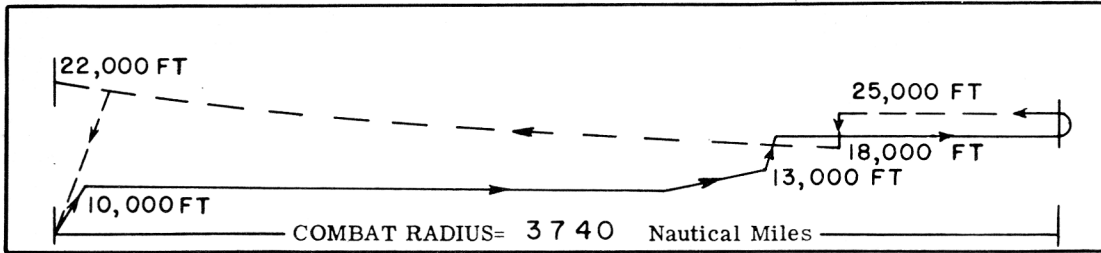
1. First flight: 8 Jul 48
2. First service use: Nov 48
3. Production completed: Sep 50

POWER PLANT
(6) R-4360-41 Pratt & Whitney
ENGINE RATINGS
BHP-RPM-ALT-MIN
T.O: *3500-2700-S.L.-5
3250-2700-S.L.-5
Mil: *3500-2700-Turbo-30
3250-2700-Turbo-30
Nor: 2650-2550-Turbo-Cont.
*Wet

FEATURES
Crew: 15
Cabin Pressurization
Thermal Anti-icing
Bomb-Navig.Radar, AN/ANQ-24
Gun-Laying Radar, AN/APG-3
Loran
Fuel Tank Purging
Max Fuel Cap: 33,010 gal

ARMAMENT
Turrets: 8
Guns: 16x20mm
Ammunition(tot): 9200 rds
Max Bomb Load: 2x43,000 lb
Max Bomb Size: 43,000 lb

Characteristics Summary Basic Mission . . . B-36B



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
3740 naut. mi with 10,000 lb payload at 177.5 knots avg. in 42.43 hours.	7098 naut. mi with 10,000 lb payload at 176 knots avg. in 40.55 hours.	308 knots at 25,000 ft alt, max power
		MAXIMUM SPEED
		331 knots at 34,500 ft alt, max power
CLIMB	CEILING	TAKE-OFF
500 fpm sea level, take-off weight normal power	28,500 ft 100 fpm, take-off weight normal power	ground run 6030 ft no assist — ft assisted
1510 fpm sea level, combat weight maximum power	38,800 ft 500 fpm, combat weight maximum power	over 50 ft height 8520 ft no assist — ft assisted
LOAD	WEIGHTS	STALLING SPEED
Bombs: 10,000 lb Ammunition: 9200 rds/20mm	Empty..... 140,640 lb Combat... 227,700 lb Take - off 328,000 lb limited by performance	100.4 knots flaps down, take-off weight
Fuel: 26,217 gal protected 68 % droppable 20 % external 0 %		TIME TO CLIMB —

N O T E S

1. PERFORMANCE BASIS:
 (a) Phase IV flight tests of No. 23, B-36B airplane.
 (b) Fuel density: 6.0 lb/gal
 (c) In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.
 2. REVISION BASIS: To reflect performance data obtained from phase IV flight tests.