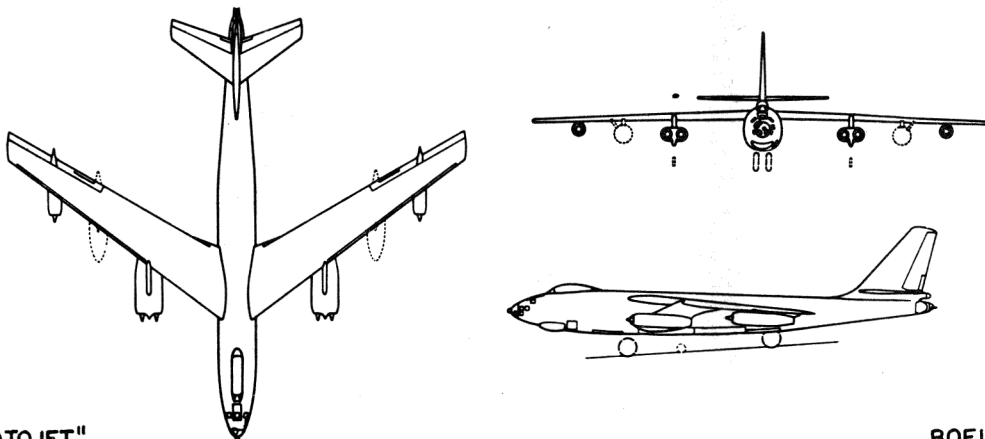


Characteristics Summary

BOMBER (RANGE EXT.) B-47E



"STRATOJET"

BOEING

Wing Area 1428 sq ft Length 107.1 ft
 Span 116.0 ft Height 28.0 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

- The B-47E (Range Extension) airplane differs from the Standard B-47E by the strengthening of the landing gear to permit heavier take-off weights.
- Data is shown for the test article (713th B-47E). The Range Extension modification is effective on the 521st B-47E and subsequent.
- Estimated completion date for the first B-47E (Range Extension): Jun 54
Mfr's Model: 450-157-35

Navy Equivalent: None

POWER PLANT

(6)J47-GE-25
 General Electric
 ENGINE RATINGS

S.L.S. LB -RPM - MIN
 Max (wet): 6970-7950 - 5
 5970-7950 - 5
 Mil: 5670-7800 - 30
 Nor: 5320-7630 - Cont

ATO

No. & Model: *(33)14DS1000
 Thrust (lb) 33,000
 Duration (sec) 14
 or
 No. & Model ***(33)15KS1000
 Thrust (lb) 33,000
 Duration (sec) 15

* Manufactured by Allegheny
 **Manufactured by Aerojet

FEATURES

Crew 3
 Thermal Anti-icing
 K-4A Bombing-Navigation System
 A-5 Fire Control System
 Anti-Skid Brakes
 Approach Chute
 Braking Chute
 Ejection Seats
 Internal Fuel Tank Purging
 (1) K-38 or Alternate Vertical Camera
 Single-Point and Air Refueling
 External Droppable ATO Rack
 Max Fuel Cap: *18,011 gal
 *Includes wing drop tanks and large ATO tank

ARMAMENT

Turrets: 1
 Guns: . (M24A1) 2 x 20mm
 Ammunition: . . 700 rds(tot)
 BOMBS:(Max)
 Class (lb) Load
 SHORT BOMB BAY
 Interim: *3x2000 14x 500
 (M-123)
 †3x2000 3x2000
 New *7x 750 7x 750
 Series: †4x 750 4x 750
 LONG BOMB BAY
 Interim:*6x 2000/18x 1000
 New
 Series: *1x12,000/21x 750
 Special
 Stores: 1x10,000/ 1x10,000
 *Hi-Density Kit/ †Lo-Density

*Revised: H. H. Ed., Add No. 7,
 25 Jul 55 -
 Justice Service*

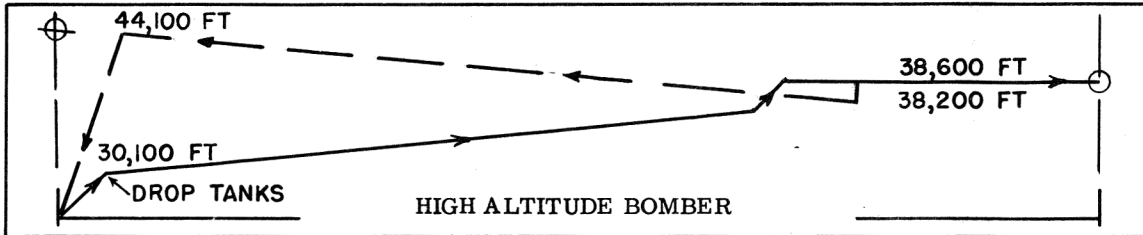
*Classification cancelled
 or changed to: Unclassified
 AUTH: AFSC - AF de Sec, Char. Guide, Jan 64
 BY: G.R. Tomblin
 Signature and Grade
 13 Dec 1966
 DOS Dir 520.010
 1 Jan 64*

3rd add

addn #9

537C12000

Characteristics Summary Basic Mission **B-47E**
(RANGE EXTENSION)



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D	
1780 naut. mi with 10,000 lb bombs and 720 lb chaff at 433 knots avg. in 8.30 hours.	4095 naut. mi with 16,370 gal fuel at 433 knots avg. in 9.53 hours at 200,000 lb T.O. wt.	COMBAT 469 ^(c) knots at 38,600 ft alt, max power	MAX 497 ^(c) knots at 20,000 ft alt, max power
		BASIC 469 ^(c) knots at 35,000 ft alt, max power	
CLIMB	CEILING	TAKE-OFF	
2110 ^(d) fpm sea level, take-off weight normal power	31,500 ^(d) ft 100 fpm, take-off weight normal power	ground run	
		8050 ft no assist	5650 ft assisted
4740 fpm sea level, combat weight maximum power	40,800 ft 500 fpm, combat weight maximum power	over 50 ft height	
		9450 ft no assist	7100 ft assisted
LOAD	WEIGHTS	STALLING SPEED	
Bombs: 10,000 lb Chaff: 720 lb Ammunition: 700 rds/20mm	Empty..... 78,620 lb Combat... 123,080 lb Take - off 200,000 lb (2) limited by strength	140 knots power-off, landing configuration, take-off weight	
Fuel: 14,720 gal protected 69 % droppable 9 % external 9 %		TIME TO CLIMB	

N O T E S

- Performance Basis:
 - Flight test data
 - All approved weight reduction items incorporated
 - Structural limit
 - Values quoted are for T.O. weight less ATO, water and alcohol
- Includes 4610 lb ATO and 5300 lb water and alcohol
- Revision Basis: Initial Issue

*Property of the Air Force Museum
Wright-Patterson Air Force Base
Ohio 45433*