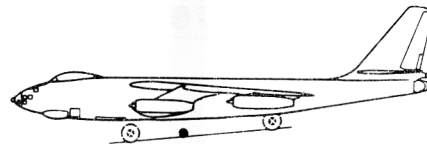
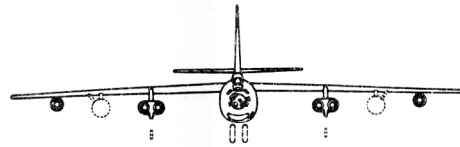
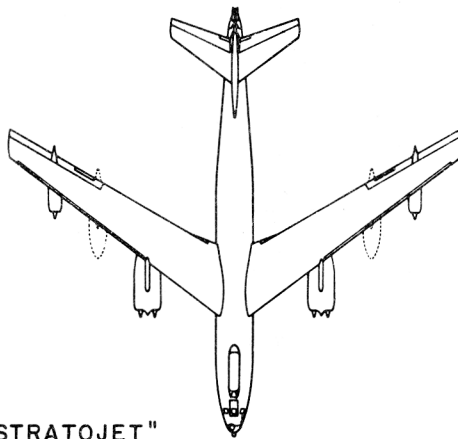


A1
B-47E / char

Characteristics Summary

BOMBER B-47E IV



"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

1. The B-47E-IV airplane differs from the Basic B-47E-II by the strengthening of the landing gear to permit heavier take-off weights.
2. Data is shown for the test articles (862nd B-47E). The modification is effective on the 862nd and subsequent aircraft.
3. Delivery date for first B-47E-IV: Feb 55

Navy Equivalent: None

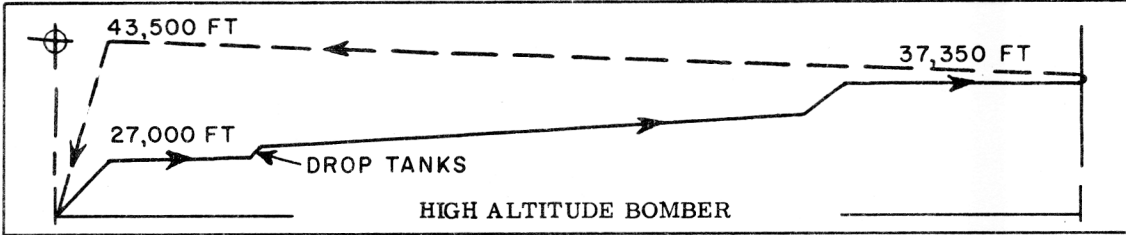
Mfr's Model: 450-157-35

POWER PLANT	
(6) J47-GE-25, - 25A General Electric ENGINE RATINGS	
S.L.S.	LB - RPM - MIN
Max(wet):	*7200 - 7950 - 5
	5970 - 7950 - 5
Mil:	5670 - 7800 - 30
Nor:	5320 - 7630 - Cont
*With water flow of 650 lb/min	
ATO	
Nr & Model:	..†(33)14AS1000
Thrust (lb) 33,000
Duration (sec) 14
or	
Nr & Model:	..†(19)15KS1000
Thrust (lb) 19,000
Duration (sec) 15
†Manufactured by Aerojet	
*See note (e), Notes block	

FEATURES	
Crew 3	
Thermal anti-icing	
MA-7A 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: *18,000 gal	
*Includes wing drop tanks and large ATO tank	

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

Characteristics Summary Basic Mission . . . B-47E IV



PERFORMANCE		
COMBAT RADIUS	FERRY RANGE	S P E E D
2050 naut. mi with 10,845 lb payload at 435 knots avg. in 9.42 hours.	4340 naut. mi with 18,000 gal fuel at 434 knots avg. in 10.02 hours at 215,958 lb T.O. wt.	COMBAT 483 ^(d) knots at 37,350 ft alt, max power MAX 528 ^(d) knots at 16,300 ft alt, max power BASIC 490 ^(d) knots at 35,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
1850 fpm sea level, take-off weight normal power	29,500 ft 100 fpm, take-off weight normal power	ground run 11,300ft no assist 7850ft (c) assisted
850 fpm sea level, combat weight maximum power	39,300 ft 500 fpm, combat weight maximum power	over 50 ft height 12,000ft no assist 8800ft (c) 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: 845 lb Ammunition: 700 rds/20mm Fuel: 18,000 gal protected 56.5 % droppable 18.8 % external 18.8 %	Empty..... 79,074 lb Combat... 133,030 lb Take - off 225,958 lb limited by space	166.1 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 data.
 (b) Value quoted for take-off weight less 7109 lb ATO and 5300 lb water-alcohol.
 (c) With 33 x 1000 lb thrust ATO bottles.
 (d) Placard limit
 (e) (33) 14AS1000 ATO bottles can be utilized with or without the displacement rack, however the displacement rack must be utilized in carrying max compliment of (19) 15KS1000. Rack is also utilized in carrying (30) 16NS1000 M-15 ATO. (Manufactured by Philips Petroleum).

2. Revision Basis: Data co-ordinated by OCAMA 25 Aug 59

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