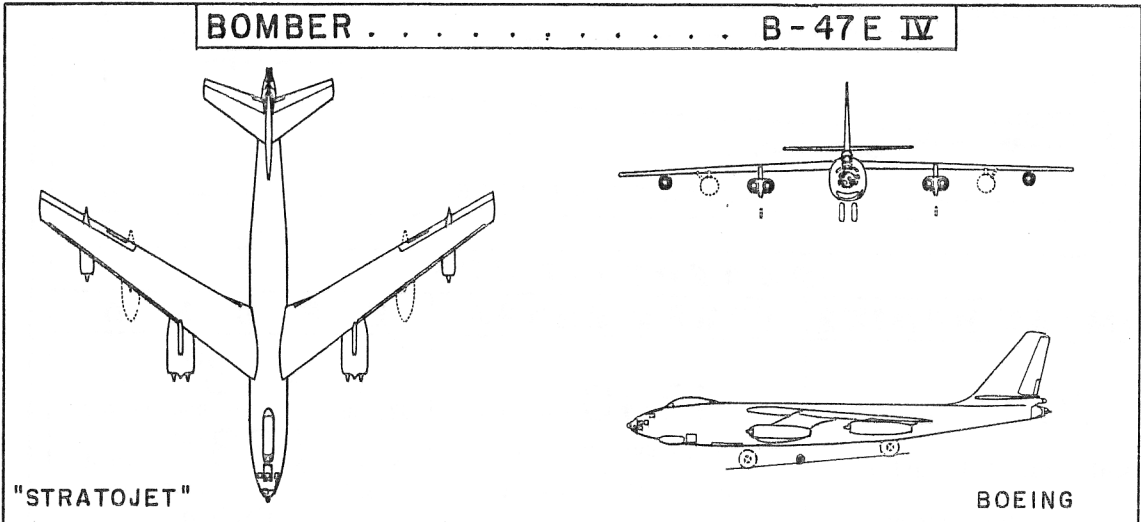


*Duplicate in Black Book 8/28/58*

# 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

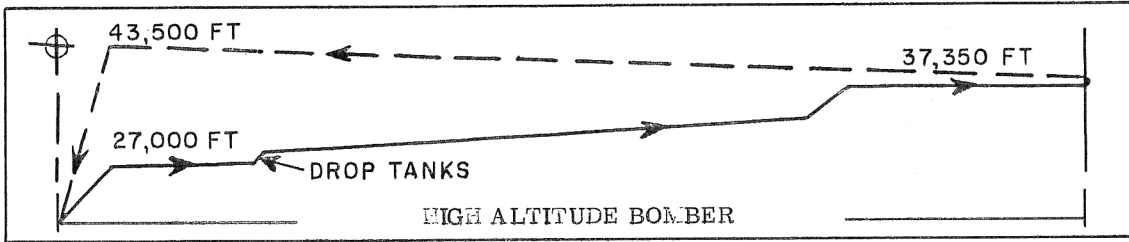
Mfr's Model: 450-157-35

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
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: *18,000 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
New *7x 750 7x 750
Series: † 4x 750 4x 750
LONG BOMB BAY
Interim: *6x 2000/18 x 1000
New
Series: *1x12,000/21x 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 <sup>(d)</sup> knots at 37,350 ft alt, max power MAX 528 <sup>(d)</sup> knots at 16,300 ft alt, max power BASIC 490 <sup>(d)</sup> 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 <sup>(c)</sup> 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 <sup>(c)</sup> 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: To incorporate the suffix IV to the designation (B-47E-IV); to include Characteristics of the J47-GE-25A engine in Power Plant block; to reflect revised take-off data.