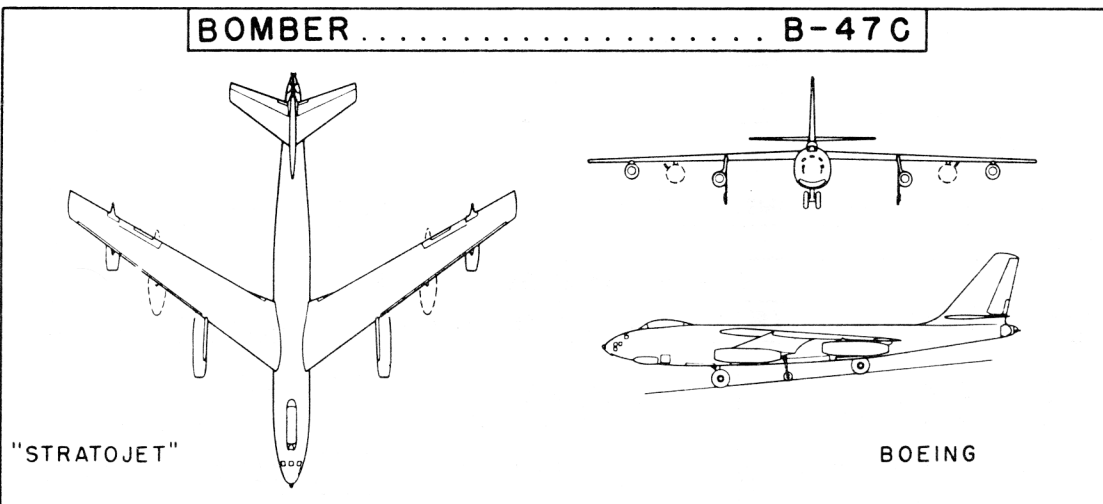


Deleted; 4th Ed; Add Nr 21
13 Dec 56

Characteristics Summary

BOMBER **B-47C**



Wing area 1428 sq ft Length..... 106.9 ft
 Span..... 116 ft Height..... 27.9 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

1. Modification of B-47B with (4) J35 engines in lieu of (6) J47's.
2. Design initiated: Jan 50
3. First flight (YB-47C prototype): Oct 51 (est)
4. First acceptance: May 53 (est.)
5. One B-47B bailed to Boeing for engine and related changes and tests.
6. Formerly designated B-56A

Navy Designation: None Manufacturer's Model: 450-19-10

POWER PLANT

(4) J35-A-23*
Allison

ENGINE RATINGS

S.L.Static LB - RPM

Max: 9700 - 6100
Mil: 9700 - 6100
Nor: 8200 - 6100

ATO

(1) Aerojet "YLR-45-AJ-1"
or (1) M.W.Kellogg "YLR-47-K-1"
4 chambers (5000 lb thr ea)
Total thrust (lb) 20,000
Duration (sec) 60
*See note 3

FEATURES

Crew: 3
Cabin Pressurization
Thermal Anti-icing
Bombing Navigation Radar
Gun-Laying Radar
Anti-Skid Brakes
Seat Ejection
Int & Ext Fuel Tank Purging
Camera Provisions
Braking Parachute
Single Point Refueling
Air Refueling Provisions
Max Fuel Cap: 17,933 gal

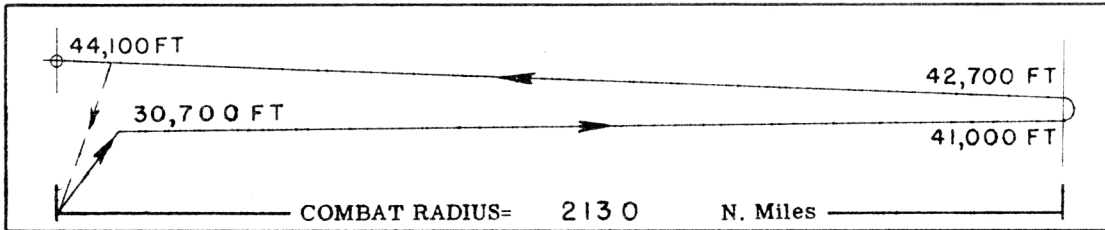
ARMAMENT

Turrets: 1
Guns: 2x.50 cal
Ammunition (tot.): 1200 rds
Max Bomb Load: 22,000 lb
Max Bomb Size: 22,000 lb

Classification cancelled
or changed to Unclassified
AUTH: AFSSG, AFAC, Sec. Class. Guide 111164
By A. R. Somelborn 1 Apr 64
Signature and Grade 16 Dec, 1966

2nd Ed 1 March 1951

Characteristics Summary Basic Mission B-47C



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
2130 naut. mi with 10,000 lb payload at 426 knots avg. in 10.3 hours.	4140 naut. mi with 10,000 lb payload at 426 knots avg. in 10.0 hours.	(d) 485 knots at 35,000 ft alt, max power MAXIMUM SPEED (e) 550 knots at 5800 ft alt, max power
CLIMB	CEILING	TAKE-OFF
3250 fpm sea level, take-off weight normal power	35,000 ft 100 fpm, take-off weight normal power	ground run 7200 ft 4220 ft no assist assisted
7050 fpm sea level, combat weight maximum power	43,600 ft 500 fpm, combat weight maximum power	over 50 ft height 8600 ft 5460 ft no assist assisted
LOAD	WEIGHTS	STALLING SPEED
Bombs: 10,000 lb Ammunition: 1200 rds/.50 cal Fuel: 13,444 gal protected 79 % droppable 0 % external 0 %	Empty..... 79,877 lb Combat... 122,000 lb Take - off *180,000 lb limited by strength *Does not include ATO fuel	138 knots flaps down, take-off weight TIME TO CLIMB _____

N O T E S

1. PERFORMANCE BASIS:
 (a) Contractor's estimated data. (not substantiated by AMC)
 (b) Fuel density: 6.5 lb/gal (JP-3)
 (c) Normal take-off technique is with ATO rockets of 60 seconds duration fired at start of roll.
 (d) Limited by buffeting.
 (e) Limited by strength.

2. REVISION BASIS: To reflect change in performance.

3. The engine installation for B-47C aircraft will be the J35-A-23 or J47-GE-21. Performance data in this analysis is based on the J35-A-23.

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