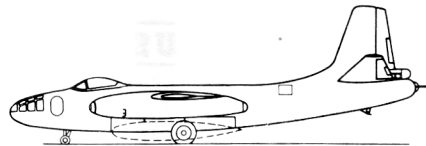
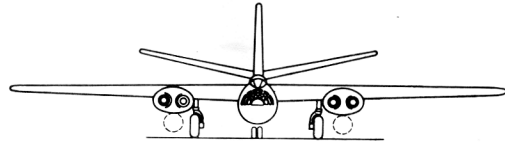
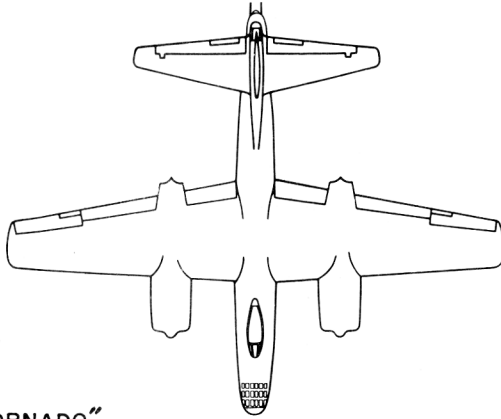


*A-1 B-45A/KPH*

# Characteristics Summary

**BOMBER . . . . . B-45A (BACK BREAKER)**



"TORNADO"

NORTH AMERICAN

Wing area . . . . . 1175 sq ft Length . . . . . 75.3 ft

Span . . . . . 89.0 ft Height . . . . . 25.2 ft

### AVAILABILITY

### PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

### STATUS

1. Modification of B-45A aircraft. aircraft. An additional thirty two initial combat aircraft being modified to the "Back Breaker" configuration.
2. Nine aircraft originally modified to trainers re-modified to "Back Breaker" type

Navy Equivalent: None

Mfr's Model: NA-147

### POWER PLANT

(2)J47-GE-7 or -13 and  
 (2)J47-GE-9 or -15  
 General Electric  
**ENGINE RATINGS**  
 S.L.S. LB-RPM- MIN  
 Max:(wet) \*6000-7950 - 5  
 (wet)\*\*5820-7950 - 5  
 Mil: \*5200-7950 - 30  
 \*\*5000-7950 - 30  
 Nor: \*4320-7370 - Cont  
 \*\*4250-7370 - Cont  
 \* -13 and -15 engines  
 \*\* - 7 and -9 engines  
 (Water injection not utilized  
 in B-45 aircraft)  
 ATO  
 (2) Aerojet ..... XLR13-AJ-1  
 Thrust (lb ea) ..... 4000  
 Duration (sec) ..... 60

### FEATURES

Crew: 4  
 Cabin Pressurization  
 Ejection Seats for Pilot and  
 Co-Pilot  
 Thermal Anti-icing  
 Bombing-Navigation Radar  
 Chaff Dispenser  
 Fuel Flow Totalizer  
 Max Fuel Cap: 5870 gal

### ARMAMENT

Turrets: . . . . . 1  
 Guns: . . . . 2x.50 cal (M-3)  
 Ammunition (tot): 1200 rds  
 Special Bombs:  
 CLASS LB  
 (27) M38A2 . . . . . 100  
 1 . . . . . 22,000

25 JAN 57

**CONFIDENTIAL**

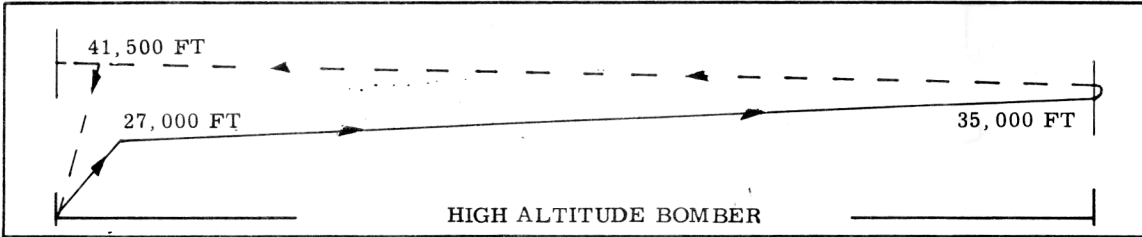
**B-45A (BACK BREAKER)**

Classification cancelled  
 or changed to ~~Unclassified~~  
 AUTH: AFSC AFDC Security class. *DDO Dir 5700.10*  
 By *A. R. Somerton* 1 Apr 64  
 Signature and Grade *A. R. Somerton 20 Aug 68*  
 DOD Dir 5700.10  
 as 13 Nov 1969

*4th Ed addn #22*

*Unclassified*

*Characteristics Summary Basic Mission* . . . . . **B-45A**  
(BACK BREAKER)



<b>P E R F O R M A N C E</b>		
<b>C O M B A T R A D I U S</b>	<b>F E R R Y R A N G E</b>	<b>S P E E D</b>
764 naut. mi with 3500 lb payload at 401 knots avg. in 3.90 hours.	1807 naut. mi with 6746 gal fuel at 401 knots avg. in 4.50 hours at 98,842 lb T.O. wt.	COMBAT 434 knots at 35,000 ft alt, max power MAX 492 knots at S.L. ft alt, max power BASIC 434 knots at 35,000 ft alt, max power
<b>C L I M B</b>	<b>C E I L I N G</b>	<b>T A K E - O F F</b>
2950 fpm sea level, take-off weight maximum power	32,500 ft 100 fpm, take-off weight maximum power	ground run 4950 ft   — ft no assist   assisted
4300 fpm sea level, combat weight maximum power	38,000 ft 500 fpm, combat weight maximum power	over 50 ft height 7570 ft   — ft no assist   assisted
<b>L O A D</b>	<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>
Stores: 3500 Ammunition: 1200 rds/.50 cal  Fuel: 5870 gal protected 63 % droppable 37 % external 17 %	Empty..... 47,022 lb Combat... 67,820 lb Take - off 92,745 lb  limited by mission loading	113.6 knots power-off, landing config- uration, take-off weight  <b>T I M E T O C L I M B</b>  —————

**N O T E S**

1. Performance Basis:  
(a) Contractors estimates

2. Revision Basis: Data coordinated this date

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Wright-Patterson Air Force Base  
Ohio 45433