

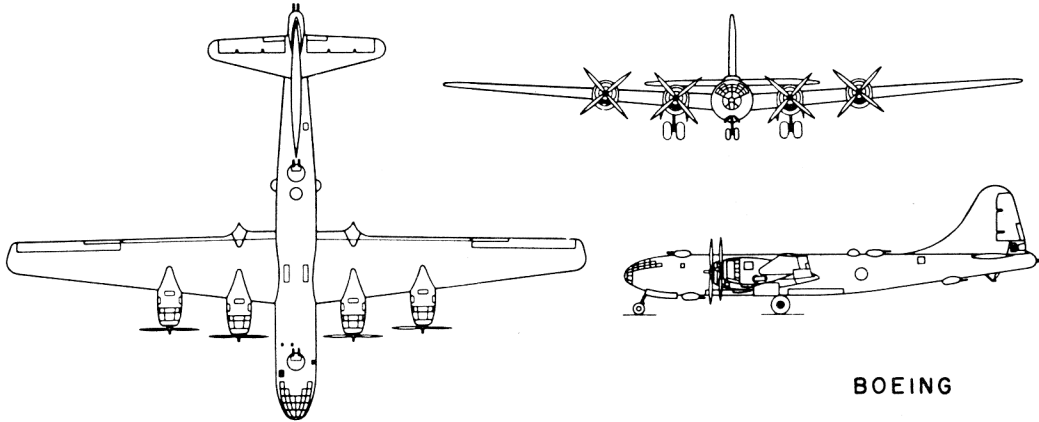
A-1  
(Y) B-29

RESTRICTED

SERVICE TEST

# Characteristics Summary

BOMBER . . . . . YB-29J



Wing area ..... 1720 sq ft                      Length ..... 99.0 ft  
Span ..... 141.2 ft                                  Height ..... 27.8 ft

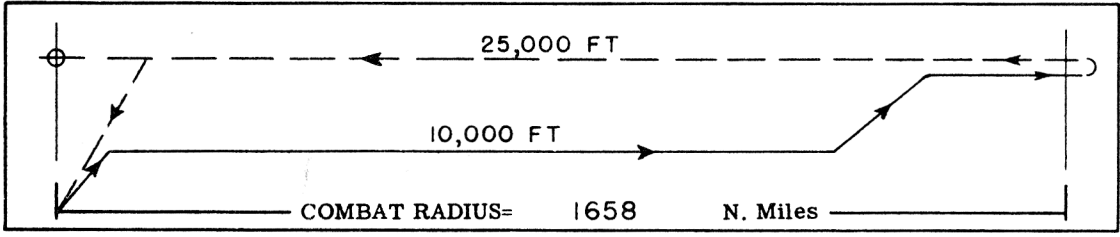
AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

## STATUS

- The YB-29J series aircraft consists of the following aircraft: two (2) KB-29P, one B-29A, one TB-29B and one KB-29M. The airplane covered in this analysis is the B-29A, USAF Serial No. 44-62027.
- The YB-29J differs from the standard B-29 bomber by the installation of new engines, propellers and resulting minor changes.
- Modification currently underway

POWER PLANT	FEATURES	ARMAMENT
(4) R-3350-CA2 Wright (861C18A2)  <b>ENGINE RATINGS</b>  <b>BHP-RPM-ALT-MIN</b>  T.O. 2700-2900-Turbo-5  Mil: 2600-2800-Turbo-30  Nor. 2300-2600-Turbo-Cont	Crew: 11 Cabin Pressurization Heating and Cooling Bombing-Navigation Radar Max Fuel Cap: 9150 gal	Turrets: 5 Guns: 12 x .50 cal Ammunition (tot.): 6000 rds  Max Bomb Load: 40 x 500 lb Max Bomb Size: 4000 lb

*Characteristics Summary Basic Mission* ..... YB-29J



P E R F O R M A N C E		
COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
<b>1658</b> naut. mi with 10,000 lb payload at 219 knots avg. in 15.14 hours.	<b>3126</b> naut. mi with 10,000 lb payload at 198 knots avg. in 15.79 hours.	<b>321</b> knots at 25,000 ft alt, max power
		<b>MAXIMUM SPEED</b> <b>321</b> knots at 25,000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
<b>700</b> fpm sea level, take-off weight normal power	<b>30,070</b> ft 100 fpm, take-off weight normal power	ground run <b>5340</b> ft   _____ ft no assist   assisted
<b>1700</b> fpm sea level, combat weight maximum power	<b>35,235</b> ft 500 fpm, combat weight maximum power	over 50 ft height <b>7530</b> ft   _____ ft no assist   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 Ammunition: 6000 rds/.50 cal  Fuel: 7870 gal protected 100 % droppable 0 % external 0 %	Empty..... 74,100 lb Combat... 105,600 lb Take - off 142,622 lb limited by space	<b>104</b> knots flaps down, take-off weight <b>TIME TO CLIMB</b> _____

**N O T E S**

1. PERFORMANCE BASIS:  
 (a) Flight test data  
 (b) Fuel density: 6.0 lb/gal (115/145)

2. REVISION BASIS - Initial Issue

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