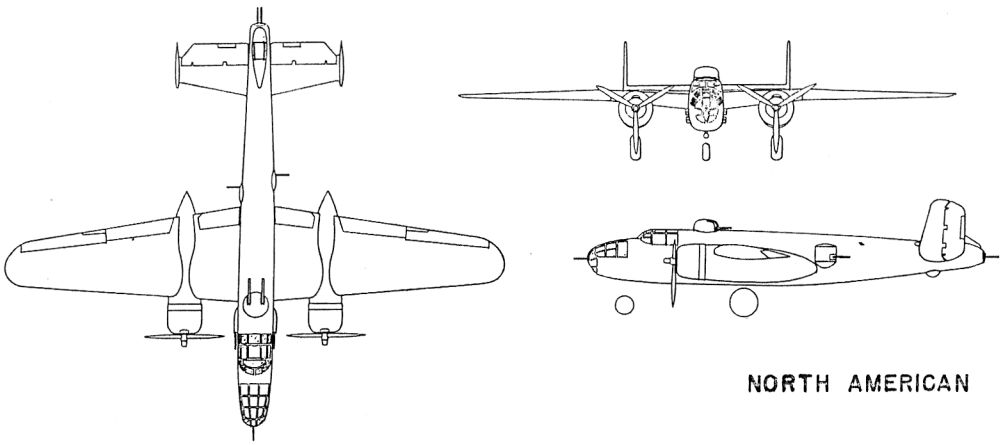
Black Book

UNCLASSIFIED SERVICE

Characteristics Summary

BOMBER B-25J



NORTH AMERICAN

Wing area ..... 610 sq ft

Span ..... 67.6 ft

Length ..... 53.5 ft

Height ..... 16.3 ft

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

STATUS

1. Design initiated: (B-25) February 1938
2. First acceptance: December 1943
3. Production completed: August 1945
4. Navy designation: PBJ-1J

POWER PLANT

(2) R-2600-13 or -29
Wright
ENGINE RATINGS
BHP - RPM - ALT

T.O: 1700 - 2600*
Mil: 1700 - 2600 - 4500
1450 - 2600 - 12,000
Nor: 1500 - 2400 - 6700
1350 - 2400 - 13,000
*2800 RPM for -29 engine

FEATURES

Crew: 6

Cabin Heating and Cooling

Propeller Anti-icing

Max Fuel Cap: 1624 gal

ARMAMENT

Turrets: 2

Guns: (12) .50 cal

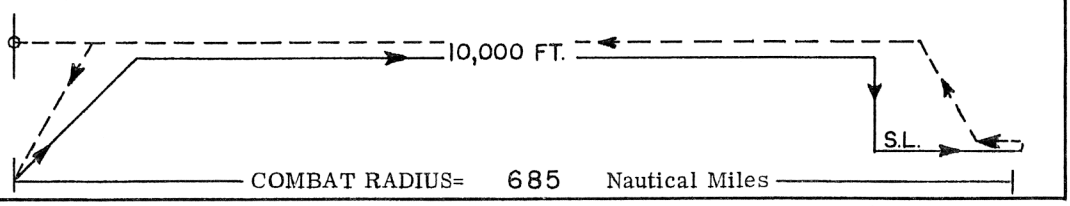
Ammunition: 4600 rds

Max Bomb Load: *(8)500 lb

Max Bomb Size: 2000 lb

*Semi-Armor Piercing

Characteristics Summary Basic Mission B-25J



PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	COMBAT SPEED
685 naut. mi with 4000 lb payload at 177 knots avg. in 7.98 hours.	1316 naut. mi with 4000 lb payload at 181 knots avg. in 7.54 hours.	245 knots at 10,000 ft alt, max power
		MAXIMUM SPEED
		255(d) knots at 15,000 ft alt, nor power
C L I M B	**C E I L I N G**	**T A K E - O F F**
980 fpm sea level, take-off weight normal power	22,500 ft 100 fpm, take-off weight normal power	ground run 2940 ft no assist | — ft assisted
1890 fpm sea level, combat weight maximum power	24,200 ft 500 fpm, combat weight maximum power	over 50 ft height 4200 ft no assist | — ft assisted
L O A D	**W E I G H T S**	**STALLING SPEED**
Bombs: 4000 lb Ammunition: 4600 rds/.50 cal Fuel: 1137 gal protected 100 % droppable 0 % external 0 %	Empty..... 19,530 lb Combat... 27,400 lb Take - off 35,000 lb limited by performance	97 knots flaps down, take-off weight
		TIME TO CLIMB
		—

NOTES

1. PERFORMANCE BASIS:
   (a) Flight test
   (b) Fuel density: 6.0 lb/gal
   (c) In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.
   (d) Maximum speed is obtained at 15,000 feet using normal power.

2. REVISION BASIS: To show engine ratings and changes in "Status", "Features" and "Notes" blocks.