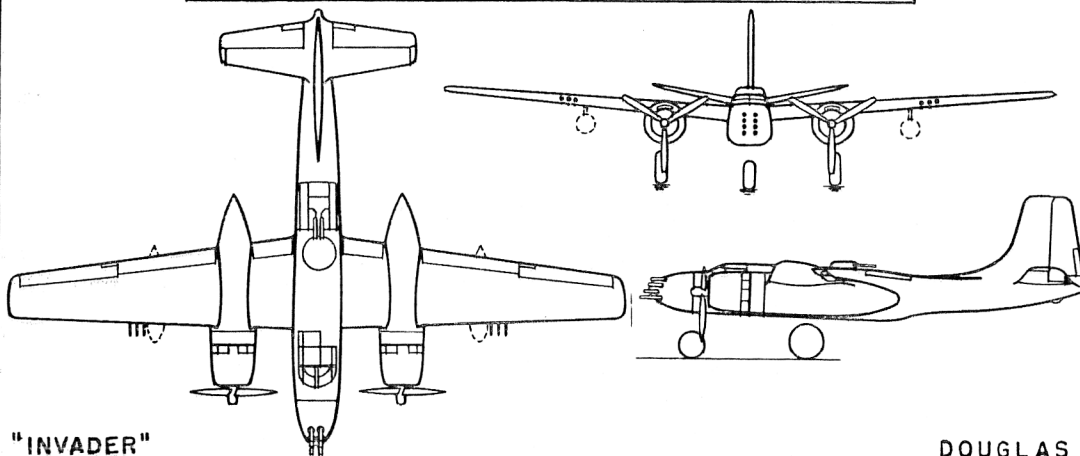


Characteristics Summary

BOMBER.....B-26B



"INVADER"

DOUGLAS

Wing area 541 sq ft Length 50.8 ft
 Span 70.0 ft Height 18.5 ft

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

STATUS

1. Design initiated: Jan 41
2. First flight: Jul'42 (XA-26)
3. First production: Sep 42
4. First service use: 1943
5. Production completed: Aug 45

Navy Equivalent: JD-1

Mfr's Model:

POWER PLANT

(2) R-2800-79
 Pratt & Whitney
ENGINE RATINGS
 BHP-RPM-ALT-MIN
 T.O: 2000-2700- S.L.- 5
 W.E:
 (lo)*2350-2700- S.L.- 5
 (hi)*2000-2700-10,000- 5
 Mil: 2000-2700- 1500- 15
 1600-2700-13,500- 15
 Nor: 1600-2400- 5700-Cont
 1450-2400-13,000-Cont

*War Emergency power with water injection.

FEATURES

Crew: 3
 Cabin Heating and Cooling
 Periscopic Sighting for Turret
 Propeller Anti-icing
 All-Purpose Nose
 Loran
 Max Fuel Cap: 2035 gal

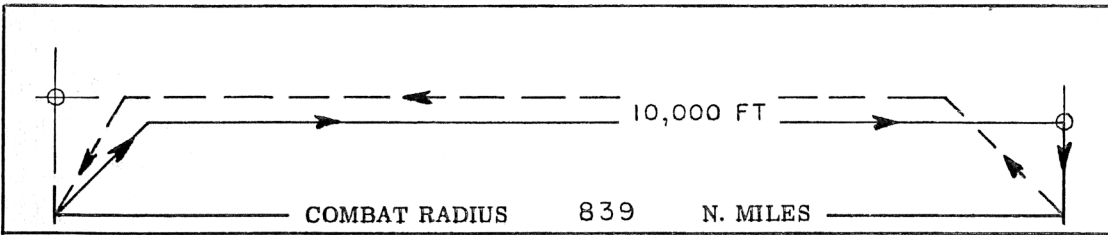
ARMAMENT

Turrets: *1
 Guns: 16x.50 cal
 Ammunition (tot): 5600 rds
 Max Bomb Load:
 4 x 1000 lb (int.)
 4 x 500 lb (ext.)
 Max Bomb Size: 1000 lb
 Rockets: 14x5" HVAR

*See Note 2

This is a white copy for this date.

Characteristics Summary Basic Mission B-26B



P E R F O R M A N C E		
COMBAT RADIUS	FERRY RANGE	S P E E D
839 naut. mi with 4000 lb payload at 200 knots avg. in 8.8 hours.	2914 naut. mi with 2035 gal fuel at 203 knots avg. in 14.4 hours at 41,811 lb T.O. wt.	COMBAT 313 knots at S.L. ft alt, max power MAX 322 knots at 10,000 ft alt, max power BASIC 308 knots at 5000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
1060 fpm sea level, take-off weight normal power	19,200 ft 100 fpm, take-off weight normal power	ground run 3900 ft — ft no assist assisted
2515 fpm sea level, combat weight maximum power	21,800 ft 500 fpm, combat weight maximum power	over 50 ft height 4820 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: 4000 lb Fuel: 1360 gal protected 77 % droppable 23 % external 23 %	Empty..... 22,362 lb Combat... 31,775 lb Take - off 40,015 lb limited by space	98 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**
- Performance Basis:
 - Flight Test
 - Performance shown above for max power is based on war emergency power (wet) of 2370 BHP @ 2700 RPM @ S.L.
 - The B-26B covered by this analysis is the "Left Project" in which the lower turret is deleted and a 125 gal fuel tank installed. An eight gun nose is substituted for a six gun nose.
 - Revision Basis: To conform to MIL-C-5011A