Characteristics Summary

(BOMBER VERSION) ................. RB-52B

"STRATOFORTRESS"  BOEING

Wing Area .................. 4000 sq ft  Length .................. 156.5 ft
Span .......................... 185.0 ft  Height .................. 48.3 ft

<table>
<thead>
<tr>
<th>AVAILABILITY</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number available</td>
<td>Number to be delivered in fiscal years</td>
</tr>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

1. Design Initiated: (B-52B) Feb 51
2. First Flight: Apr 54 (est)
3. First Acceptance: Apr 54 (est)
4. The RB-52B (Bomber Version) becomes an RB-52B (Recon Version) when the capsule containing photographic, weather and electronic equipment is placed in the bomb bay.

Navy Equivalent: None  Mfr's Model: 464-201-4

STATUS

POWER PLANT

(8) J57-P-1W
Pratt & Whitney
ENGINE RATINGS
LB.  **RPM - MIN
Max: *11,100-6300/9950-5
Mil: 9500-9950/950-30
Nor: 8250-5700/9720-Cont
* Wet
** First figure represents low pressure spool, second figure represents high pressure spool.

ATO
No. & Model (4) 45 KS 5000
Mfr ...................... Aerojet
Thrust (lb) ............ 4 x 5000
Duration (sec) ........ 45

FEATURES

Crew: 6
Cabin Pressurization
Cabin Heating & Cooling
Thermal Anti-icing
Deceleration Chute
Quadricycle Landing Gear
Aerodynamic Spoilers (Air-brake)
Vertical Camera Station
Steerable Landing Gear
K-3A Bombing-Navigation System
A-3A Fire Control System
Max Fuel Cap: 37,385 gal

ARMAMENT

Turret: 1
Guns: 4 x .50 cal
Ammunition (tot): 2400 rds
Bombs:
Max Size (lb): Max Load
New Series
750 27 x 750
Special Weapons
25,000 2 x 25,000

26 JUN 53

SECRET

RB-52B
(BOMBER VERSION)

53 WC 1200
Characteristics Summary Basic Mission (BOMBER) RB-52B

**Performance**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>3110 naut. mi with 10,000 lb payload</td>
<td>6460 naut. mi with 33,846 gal fuel</td>
<td>COMBAT 492 knots at 46,500 ft alt, max power</td>
</tr>
<tr>
<td>at 457 knots avg. in 13.46 hours.</td>
<td>at 457 knots avg. in 14.19 hours at 390,000 lb T.O. wt.</td>
<td>MAX 542 knots at 19,500 ft alt, max power</td>
</tr>
<tr>
<td><strong>CLIMB</strong></td>
<td><strong>CEILING</strong></td>
<td><strong>TAKE-OFF</strong></td>
</tr>
<tr>
<td>2320 fpm sea level, take-off weight normal power</td>
<td>40,400 ft 100 fpm, take-off weight normal power</td>
<td>ground run 6040 ft no assist 6400 ft assisted</td>
</tr>
<tr>
<td>4930 fpm sea level, combat weight maximum power</td>
<td>47,600 ft 500 fpm, combat weight maximum power</td>
<td>over 50 ft height 7700 ft no assist 6100 ft assisted</td>
</tr>
</tbody>
</table>

**Load Weights**

- Bombs: 10,000 lb
- Ammo: 2400rds - 50 cal.
- Fuel: 32,398 gal protected 70 %
  - droppable 6 %
  - external 6 %
- Empty... 162,969 lb
- Combat... 257,900 lb
- Take-off 390,000 lb
- No limit

**Stalling Speed**

- 127 knots power-off, landing configuration, take-off weight

**Notes**

1. Performance Basis:
   - (a) Preliminary flight test
2. Revision Basis: Initial Issue

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

RB-52B (BOMBER VERSION)