Characteristics Summary

BOMBER (RECONN. VERSION) .......... B-52C

STRATOFORTRESS

BOEING

Wing Area .................. 4000 sq ft  Length ................. 156.6 ft
Span ....................... 185.0 ft  Height (overall) ......... 48.3 ft

Availability

<table>
<thead>
<tr>
<th>Number available</th>
<th>Procurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
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Availability

<table>
<thead>
<tr>
<th>Status</th>
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</table>

1. Design Initiated: Dec 53
2. First Flight: Mar 56
3. First delivery to SAC: June 56
4. The B-52C (Reconn Version) has the reconnaissance capsule in the bomb bay.

Power Plant

(8) J57-P-19W or -29WA
Pratt & Whitney

Engine Ratings

S.L.S. LB **RPM -MIN
Max: *12,100-6450/9900-5
Min: 10,500-6150/9900-30
Nbr: 9000-9900/Cont *Wet

**First figure represents low pressure spool; second figure represents high pressure spool.

Note: At present there are no requirements for ATO

Features

Crew .................. 8
Cabin Pressurization,
Heating and Cooling
Braking Parachute
Quadricylce Landing Gear
Interchangeable Reconnaissance Capsule
Crosswind Landing Gear
MA-6A Bombing-Nav. System
A-3A Fire Control System
Thermal Anti-Icing
Aerodynamic Spoolers (Air-brake)
2 (3000 Gal) Wg, Drop Fuel Tanks
Folding Fin

Max Fuel Cap: 41,550 gal

Armament

Turret .................. 1
Guns ........ 4 x .50 cal (M-3)
Ammunition (tot)... 2400 rds
BOMBS:
Nr: Class (lb)
24(M-120A-1 Flash Bombs)

Cameras

Nr: Type Lens
4...... K-38 ...... 36" or
1...... K-38 ...... 12"
3...... T-11 ...... 6" or
1...... K-37 (Vertical) ...... 12" or
1...... K-36 ...... 24"
1. *0-15 Radar recording
*No fixed station

Navy Equivalent: None

Mfr's Model: 464-201-6

57WC-4983
### Characteristics Summary Basic Mission B-52C (RECONN)

- **Performance**
  - **Combat Radius**
    - 3285 naut. mi with 3960 lb payload at 453 knots avg. in 14.57 hours.
  - **Ferry Range**
    - 6705 naut. mi with 41,550 gal fuel at 453 knots avg. in 14.86 hours at (c) 447,955 lb T.O. wt.
  - **Speed**
    - Combat 493 knots at 44,950 ft alt., mil power.
    - Max 551 knots at 20,200 ft alt., mil power.
    - Basic 519 knots at 35,000 ft alt., mil power.

- **Climb Ceiling**
  - 2225 fpm sea level, take-off weight normal power.
  - 5170 fpm sea level, combat weight military power.

- **Take-off**
  - Ground run 8000 ft no assist assisted.
  - Over 50 ft height 10,300 ft no assist assisted.

- **Load Weights**
  - **Flash Bombs**: 24 x M-120A-1 3960 lb.
  - **Ammunition**: 2400 rds/50 cal.
  - **Fuel**: 41,255 gal protected 61.6%, dropable 14.4%, external 14.4%.

- **Stalling Speed**
  - Empty...... 168,737 lb
  - Combat...... 289,900 lb
  - Take-off (b) 450,000 lb limited by structure.

- **Time to Climb**
  - 147 knots, initial buffet, power-take-off, landing configuration, take-off weight.

### Notes
1. **Performance Basis**:
   - (a) Data source: Flight test
   - (b) Excludes 2500 lb water.
   - (c) Limited by fuel capacity
   - (d) Limited by structure.
   - (e) O.W.E. increases approximately 2000 lbs on B-52 airplanes utilizing the J37-P-29WA engines resulting in a minor range decrease for a given T.O. Weight.

2. **Revision Basis**: To reflect change in security classification.