Characteristics Summary

BOMBER · · · · · · · · · · · · B-56A

Wing area .................................. 1428 sq ft
Length .................................... 106.7 ft
Span .......................................... 116.0 ft
Height ..................................... 27.9 ft

Availability

<table>
<thead>
<tr>
<th>ACTIVE</th>
<th>RESERVE</th>
<th>TOTAL</th>
</tr>
</thead>
</table>

Procurement

Number to be delivered in fiscal years

Status

1. Modification of B-47B with (4) J 35 engines in lieu of (6) J 47's
2. Design initiated: January 1950
3. First flight (YB-56 prototype): April 1951 (estimated)
4. One B-47B to be bailed to Boeing for engine and related changes and tests
5. Formerly referred to as B-47C

Power Plant

(4)J35-A-23 Allison
S.L. Static LP - RPM
Max: 9700 - 6100
Mil: 9700 - 6100
Nor: 8200 - 6100
RATO
(1) Aerojet "YLR-45-AJ-1" or
(1) M.W. Kellogg "YLR-47-K-1"
4 chambers (5000 lb thr ea)
Total thrust (lb) 20,000
Duration (sec) 60

Features

Crew: 3
Cabin Pressurization
Thermal Anti-icing
Bombing Navigation Radar
Gun Laying Radar
Anti-Skid Brakes
Bail-out Spoiler Door
Internal Fuel Purging
Camera Provisions
Braking Parachute
Single Point Refueling
Air Refueling Provisions
Max Fuel Cap: 17,350 gal

Armament

Turrets: 1
Guns: 2x.50 cal
Ammunition (tot.): 1200 rds
Max Bomb Load: 1x25,000 lb
Max Bomb Size: 25,000 lb

1 March 1950
Characteristics Summary Basic Mission

45,200 FT
31,000 FT.
41,300 FT.

COMBAT RADIUS = 2175 Nautical Miles

PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>COMBAT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>2175 naut. mi</td>
<td>4225 naut. mi</td>
<td>3 knots at ft alt, max power</td>
</tr>
</tbody>
</table>

with 10,000 lb payload
at 426 knots avg.
in 10.40 hours.

MAXIMUM SPEED

3 knots at ft alt, max power

CLIMB

3 fpm
sea level, take-off weight
normal power

3 fpm
sea level, combat weight
maximum power

CEILING

3 ft
100 fpm, take-off weight
normal power

3 ft
500 fpm, combat weight
maximum power

TAKE-OFF

ground run

3 ft
no assist

3 ft
assisted

over 50 ft height

3 ft
no assist

3 ft
assisted

LOAD

Bombs: 10,000 lb
Ammunition: 1200 rds./.50 cal
Fuel: 13,583 gal
protected %
droppable %
external %

WEIGHTS

Empty...... 75,250 lb
Combat... 119,600 lb
Take-off *185,000 lb
limited by strength

*Includes 5000 lb RATO fuel

STALLING SPEED

138 knots
flaps down, take-off weight

TIME TO CLimb

N O T E S

1. PERFORMANCE BASIS: Contractor's estimates

2. Fuel: 6.7 lb/gal (JP-1)

3. Complete performance data not available at issue date.

4. In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.