Characteristics Summary

TANKER (CARGO VERSION) ........ KC-97F

"STRAFO FREIGHTER" BOEING

Wing Area .................. 1768.7 sq ft
Length ....................... 110.3 ft
Span .......................... 141.2 ft
Height ....................... 38.3 ft
Height (Fin folded) ........ 26.6 ft

AVAILABILITY

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

PROCUREMENT

Number to be delivered in fiscal years

ACTIVE RESERVE TOTAL

STATUS

1. Same as the KC-97E except for installation of R-4360-59B engines and other minor changes.
2. This airplane is the same as the Tanker version except for removal of the refueling equipment and installation of the cargo conversion kit.
3. First Flight: Feb 52
4. First Acceptance: Mar 52
5. Production Completed: May 53

Navy Equivalent: None

POWER PLANT

(4) R-4360-59B
Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT-MIN
T.O: +3500-2700- 500 -5
Mil: +3500-2700- 500 -30
3250-2700-1000 -30
Nor: 2650-2550- 550 -Cont

*Wet
Note: Increased altitude performance is available through use of external turbo supercharging.

FEATURES

Fuselage Pressurization
Thermal Anti-Icing
Folding Fin & Rudder
Reverse Pitch Props
Cargo Hoist System
Single-Point Refueling
Double Deck Type Fuselage
Integral Loading Ramp

GENERAL

Crew (normal) .......... 5
Troops ................. 130
or Litters ............. 79
plus Attendants ........ 4
Max Cargo ............. *64,500 lb

Main Compartment:
Volume ................ 4309 cu ft
Floor Area ............. 559 sq ft

Lower Compartment:
Volume ................ 1813 cu ft
Floor Area ............. 257 sq ft
Max Fuel Cap ........... 7790 gal
*Limited by strength

Mfr's Model: 367-76-29

9 MAR 56
**Characteristics Summary Basic Mission** ...... KC-97F

**PERFORMANCE**

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi with 57,240 lb payload</td>
<td>1731 naut. mi with 57,240 lb payload</td>
<td>COMBAT 302 knots at 15,000 ft alt, max power</td>
</tr>
<tr>
<td>at 197 knots avg.</td>
<td>at 204 knots avg. in 8.5 hours</td>
<td>MAX 332 knots at 26,000 ft alt, max power</td>
</tr>
<tr>
<td>in 10.3 hours.</td>
<td></td>
<td>BASIC 284 knots at 5000 ft alt, max power</td>
</tr>
</tbody>
</table>

**CLIMB**

<table>
<thead>
<tr>
<th>575 fpm sea level, take-off weight normal power</th>
<th>22,500 ft 100 fpm, take-off weight normal power</th>
<th>6500 ft ground run</th>
</tr>
</thead>
<tbody>
<tr>
<td>2600 fpm sea level, combat weight maximum power</td>
<td>30,000 ft 500 fpm, combat weight maximum power</td>
<td>over 50 ft height</td>
</tr>
</tbody>
</table>

**CEILING**

<table>
<thead>
<tr>
<th>6500 ft no assist</th>
<th>8150 ft no assist</th>
</tr>
</thead>
</table>

**TAKE-OFF**

<table>
<thead>
<tr>
<th>6500 ft</th>
<th>8150 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>no assist</td>
<td>no assist</td>
</tr>
</tbody>
</table>

**LOAD WEIGHTS**

<table>
<thead>
<tr>
<th>Cargo: 57,240 lb</th>
<th>Empty..... 78,199 lb</th>
<th>108 knots power-off, landing configuration, take-off weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel: 5515 gal</td>
<td>Combat... 98,510 lb</td>
<td>TIME TO CLimb</td>
</tr>
<tr>
<td>protected 0 %</td>
<td>Take-off 175,000 lb</td>
<td></td>
</tr>
<tr>
<td>droppable 0 %</td>
<td>limited by strength</td>
<td></td>
</tr>
<tr>
<td>external 0 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STALLING SPEED**

| 108 knots power-off, landing configuration, take-off weight |

**NOTES**

1. Performance Basis:
   (a) Flight test
   (b) Max power same as normal power above 7800 ft.

2. Revision Basis: To revise security classification and guaranteed engine ratings.