### Characteristics Summary

**TANKER**

**KC-97G**

**Wing Area**

1768.7 sq ft

**Length**

117.4 ft

**Height**

38.3 ft

**Height (Fin folded)**

26.6 ft

**Span**

141.2 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>

**STATUS**

1. Similar to the KC-97F except for installation of external wing drop tanks and small diameter AFR tanks on the upper and lower decks, deletion of radio operator's station, changes in electronic equipment and other minor changes.

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 - 5500 - Cont

*Wet

Note: Increased altitude performance is available through use of external turbo-supercharging

**Features**

May be used as a limited cargo and/or troop transport without removing the AFR equipment.

May be converted to a cargo transport by removing the AFR equipment and installing conversion kit.

Small Dia AFR Tanks (15)

External Wing Drop Tanks

Rendezvous Radar

Single-Point Refueling

Fuselage Pressurization

**General**

**Crew (normal)**

5

**Trans. Fuel (gal)**

8513

**Troops**

63

**Litters**

None

**Cargo (max)**

*57,500 lb

**Main Compartment:**

Volume:

3331 cu ft

Floor Area:

416 sq ft

*Limited by strength

Max Fuel Cap:

15,683 gal

(Incl. AFR fuel)

**Mfr's Model:** 367-76-66

9 MAR 56
**Characteristics Summary Basic Mission**

**KC-97 G**

**Performance**

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Ferry Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi with 40,700 lb payload</td>
<td>4289 naut. mi with 11,660 gal fuel</td>
<td>COMBAT 311 knots at 24,500 ft alt, max power</td>
</tr>
<tr>
<td>at 222 knots avg. in 9.4 hours.</td>
<td>at 211 knots avg. in 20.7 hours at 175,000 lb T.O. wt.</td>
<td>MAX 326 knots at 26,000 ft alt, max power</td>
</tr>
</tbody>
</table>

**Climb Ceiling Take-Off**

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>540 fpm sea level, take-off weight normal power</td>
<td>21,500 ft 100 fpm, take-off weight normal power</td>
<td>Ground run 6500 ft no assist assisted</td>
</tr>
<tr>
<td>2340 fpm sea level, combat weight maximum power</td>
<td>30,000+ ft 500 fpm, combat weight maximum power</td>
<td>Over 50 ft height 8150 ft no assist assisted</td>
</tr>
</tbody>
</table>

**Load Weights Stalling Speed**

<table>
<thead>
<tr>
<th>Load</th>
<th>Weights</th>
<th>Stalling Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer Fuel: ... 40,700 lb</td>
<td>Empty...... 84,835 lb</td>
<td>108 knots power-off, landing configuration, take-off weight</td>
</tr>
<tr>
<td>Fuel: 7013 gal protected 0 % droppable (Note 2) % external (Note 2) %</td>
<td>Combat... 105,780 lb</td>
<td>TIME TO CLIMB</td>
</tr>
<tr>
<td>Take - off 175,000 lb</td>
<td>limited by strength</td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

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

2. 1382 gal of transfer fuel may be carried in external droppable tanks.

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