**Characteristics Summary**

**TANKER ..................... KC-97G**

**WING**
- Wing Area: 1768.7 sq ft
- Span: 141.2 ft

**HEIGHT**
- Height: 38.3 ft
- Height (Fin folded): 26.6 ft

**LENGTH**
- 117.4 ft

**AVAILABILITY**

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

**PROCUREMENT**

<table>
<thead>
<tr>
<th>Number to be delivered in fiscal years</th>
<th></th>
</tr>
</thead>
</table>

**STATUS**

This supplemental summary reflects the cargo - transport capabilities of the KC-97G (tanker) with the small diameter AFR tanks and associated AFR equipment installed.

**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) ... 5613
- 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: 15,093 gal (incl. AFR fuel)
## Characteristics Summary Basic Mission

- **KC-97G**

### Performance

<table>
<thead>
<tr>
<th><strong>Combat Radius</strong></th>
<th><strong>Combat Range</strong></th>
<th><strong>Speed</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi</td>
<td>1813 naut. mi</td>
<td>COMBAT 295 knots at 15,000 ft, max power</td>
</tr>
<tr>
<td>with 47,990 lb payload</td>
<td>with 47,990 lb payload</td>
<td>MAX 325 knots at 26,000 ft, max power</td>
</tr>
<tr>
<td>at 200 knots avg.</td>
<td>at 200 knots avg.</td>
<td>BASIC 278 knots at 5000 ft, max power</td>
</tr>
<tr>
<td>in 10.0 hours.</td>
<td>in 9.1 hours</td>
<td></td>
</tr>
</tbody>
</table>

### Climb

- **540 fpm**
  - Sea level, take-off weight normal power

### Ceiling

- **21,500 ft**
  - 10 fpsm, take-off weight normal power

### Take-off

- **6500 ft**
  - Ground run
  - No assist
  - Assisted

- **8150 ft**
  - Over 50 ft height
  - No assist
  - Assisted

### Load Weights

- **Cargo:** 47,990 lb
- **Fuel:**
  - Protected: 5381 gal
  - Droppable: 0 gal
  - External: 0 gal

### Stall Speed

- **108 knots**
  - Power-off, landing configuration, take-off weight

### Time to Climb

- Limited by strength

### 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.