Characteristics Summary

CARGO.............. C-97D

"STRATOCRUISER"

BOEING

Wing Area .............. 1768.7 sq ft
Span. .............. 141.3 ft
Length .............. 110.3 ft
Height .............. 38.3 ft

AVAILABILITY

Number available

ACTIVE RESERVE TOTAL

PROCUREMENT

Number to be delivered in fiscal years

STATUS

1. Formerly designated VC-97D.
2. No change in configuration or performance data.

Navy Equivalent: None

Mr’s Model: 377

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

Cabin Pressurization
Command Quarters
Galley Equipment
AN/APS-42 Search and Navigation Radar
Public Address and Intercommunication System
Wing Drop Tanks
Reverse Pitch Props
F-1 Auto-pilot

GENERAL

Crew ....... 5
MAIN DECK
Passengers (day) ....... 60
or
Passengers (berths) ... 40
and
Passengers (seats) ... 30
plus
LOWER DECK
Troops .............. 15
or
Litters .............. 4
Max Fuel Cap ....... 9174 gal
## Characteristics Summary Basic Mission: C-97D

### Performance

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi</td>
<td>2015 naut. mi</td>
<td>COMBAT 274 knots at 5000 ft alt, max power</td>
</tr>
<tr>
<td>with 24,100 lb payload</td>
<td>with 24,100 lb payload</td>
<td>MAX 322 knots at 26,000 ft alt, max power</td>
</tr>
<tr>
<td>at 180 knots avg.</td>
<td>at 200 knots avg.</td>
<td>BASIC --- knots at 5000 ft alt, max power</td>
</tr>
<tr>
<td>in 11.2 hours.</td>
<td>in 10.1 hours.</td>
<td></td>
</tr>
</tbody>
</table>

### Climb

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>990 fpm, sea level, take-off weight normal power</td>
<td>29,600 ft, 100 fpm, take-off weight normal power</td>
<td>3850 ft, ground run</td>
</tr>
<tr>
<td>2255 fpm, sea level, combat weight maximum power</td>
<td>31,000 ft, 500 fpm, combat weight maximum power</td>
<td>4750 ft, over 50 ft height</td>
</tr>
</tbody>
</table>

### Load vs. Weights

- **Cargo:** 24,100 lb
- **Fuel:**
  - Protected: 4976 gal
  - Droppable: 0 %
  - External: 0 %
- **Empty:** 87,700 lb
- **Combat:** 105,276 lb
- **Take-off:** 145,053 lb
- **Limited by mission:**

### Stalling Speed

- 95 knots power-off, landing configuration, take-off weight

### Time to Climb

- ---

### Notes

1. **Performance Basis:** Flight test
2. **Revision Basis:** Initial issue (formerly designated VC-97D).