## Characteristics Summary

### CARGO C-131B

**Wing Area** | 920 sq ft  
**Length** | 79.2 ft  
**Span** | 105.3 ft  
**Height** | 28.1 ft

### CONSOLIDATED-VULTEE

### AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
<th>PROCUREMENT</th>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACTIVE</strong></td>
<td><strong>RESERVE</strong></td>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

### STATUS

1. **Contract Date:** Jan 54  
2. **First Flight:** Dec 54  
3. **First Acceptance:** Dec 54  
4. **First Service:** Jan 55  
5. **Production Completion:** Sep 55

**Navy Equivalent:** None  
**Mfrs Model:** 340-70

### POWER PLANT

- **(2) R-2800-103W**  
  - Pratt & Whitney  
  - **ENGINE RATINGS**
    - **BHP-RPM-ALT-MIN**
    - **T.O:** 920-2800-2600 - 5  
    - 2200-2800-4500 - 5
    - **Nor:** 1900-2600-7000 - Cont  
    - 1700-2600-14,500-Cont

  
  * Wet  
  † Low Blower  
  ‡ High Blower

### FEATURES

- Auto Pilot  
- Reverse Pitch Props  
- Pressurization  
- Thermal Anti-icing  
- Fowler Flaps

### GENERAL

- **Crew:** 2  
- Pilot  
- Co-pilot  
- **Provisions for twenty-four (24) aft facing double passenger seats. (5 double seats installed)**  
- **All evacuation equipment removed. Airplane to be used as an electronics equipment test bed.**

**Max Fuel Cap:** 1730 gal

4 SEP 55

UNCLASSIFIED
**Characteristics Summary Basic Mission**

---

**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>1998 naut. mi</td>
<td>Combat 273 knots at 5000 ft alt, mil power</td>
</tr>
<tr>
<td>with 9463 lb payload</td>
<td>with 9463 lb payload</td>
<td>Max 278 knots at 17,000 ft alt, nor power</td>
</tr>
<tr>
<td>at 168 knots avg.</td>
<td>in 11.9 hours</td>
<td>Basic 262 knots at 25,000 ft alt, nor power</td>
</tr>
</tbody>
</table>

---

**Climb**

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-Off</th>
</tr>
</thead>
<tbody>
<tr>
<td>1175 fpm, sea level, take-off weight, normal power</td>
<td>24,000 ft, 100 fpm, take-off weight, normal power</td>
<td>Ground run 3290 ft, no assist, assisted</td>
</tr>
<tr>
<td>2565 fpm, sea level, combat weight, military power</td>
<td>27,600 ft, 500 fpm, combat weight, normal power</td>
<td>Over 50 ft height 4600 ft, no assist, assisted</td>
</tr>
</tbody>
</table>

---

**Load Weights**

| Cargo: 9463 lb | Empty..... 29,248 lb |
| Fuel: 1730 gal | Combat... 35,476 lb |
| protected 0% | Take-off 50,417 lb |
| droppable 0% | limited by mission |
| external 0% | |

---

**Stalling Speed**

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

---

**Time to Climb**

---

**Notes**

1. Performance Basis:
   (a) USAF Phase IV Flight Test
3. Revision Basis: To revise "General" and "Notes" Blocks

---

C-131B | UNCLASSIFIED | 4 SEP 56