Characteristics Summary

CARGO C-131A

CONSOLIDATED-VULTEE

Wing Area 817 sq ft  Length 74.7 ft  Span 91.7 ft  Height 27.3 ft

AVAILABILITY

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

PROCUREMENT

Number to be delivered in fiscal years

STATUS

2. Mock-Up: Jun 52
3. First Flight: Feb 54
4. First Acceptance: Mar 54

Navy Equivalent: None  Mfr's Model: 240-53

POWER PLANT

(2) R-2600-99W  Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT - MIN

T.O.: 2500 - 2800 - 3500 - 5
2300 - 2600 - 3500 - 5
MIL: 2300 - 2600 - 3500 - 30
Nor: 1900 - 2600 - 7000 - 2,700
1700 - 2600 - 14,500 - 3,700

*Wet

FEATURES

Removable Aft-Facing Passenger Seats and Litters
Fowler Flaps
Thermal Type Anti-Icing
Pressurization
E-4 Auto-Pilot
Reverse Pitch Props
Max Fuel Cap: 1530 gal

PERSONNEL

Crew  2
Pilot
Co-Pilot
Passengers 37
Litters 27
Attendants 2
Plus
Passengers 5

Note: Passengers and patients may be carried in various combinations.
### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RANGE</th>
<th>FERRY RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>790 naut. mi with 7146 lb payload at 192 knots avg. in 8.9 hours.</td>
<td>1850 naut. mi with 1530 gal fuel at 176 knots avg. in 10.4 hours at 39,038 lb T.O. wt.</td>
<td>COMBAT 269 knots at 5000 ft alt, n.m.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAX 270 knots at 4200 ft alt, mil. power</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BASIC 225 knots at 25,000 ft alt, nor power</td>
</tr>
</tbody>
</table>

### CLIMB

1645 fpm sea level, take-off weight normal power

### CEILING

26,200 ft 100 fpm, take-off weight normal power

### TAKE-OFF

1900' fpm sea level, combat weight military power

1830 ft ground run

### LOAD WEIGHTS

<table>
<thead>
<tr>
<th>LOAD</th>
<th>WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 litter patients at 230 lb ea. &amp; 5 passengers at 180 lb ea...... 7146 lb</td>
<td>Empty..... 27,893 lb</td>
</tr>
<tr>
<td></td>
<td>Combat... 42,872 lb</td>
</tr>
<tr>
<td>Fuel: .1530 gal protected 0 %</td>
<td>Take-off 39,009 lb</td>
</tr>
<tr>
<td></td>
<td>limited by mission</td>
</tr>
</tbody>
</table>

### STALLING SPEED

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

### TIME TO CLimb

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### NOTES

1. Performance Basis:
   (a) Flight test and estimated data

2. Revision Basis: To reflect revised characteristics data and combat weight.