Characteristics Summary

CARGO .................. C-131E

CONV AIR

Wing Area .................. 920 sq ft Length .................. 79.2 ft
Span .................. 105.3 ft Height .................. 28.1 ft

AVAILABILITY
Number available
ACTIVE REERVE TOTAL

PROCUREMENT
Number to be delivered in fiscal years

STATUS
1. Contract date: Apr 56
2. First flight: Jun 56
3. First acceptance: Jul 56
4. First service: Jul 56
5. Production completed: Oct 56
6. Aircraft to be transferred to MATS and modified to Air Evacuation Transports.
Navy Equivalent: None
Mfr’s Model: 440-72

POWER PLANT
(2) R-2800-103W
Pratt & Whitney
ENGINE RATINGS
BHP - RPM - ALT - MIN
T.O. 5* 2500 - 2800 - 2500 - 5
† 2200 - 2800 - 4500 - 5
Nor: † 1900 - 2600 - 7000 - Cont
† 1700 - 2600 - 14,500 - Cont
* Wet
† Low Blower
‡ High Blower

FEATURES
Heating, ventilating & pressurization equipment
Pawler type flaps
Thermal-type anti-icing
E-4 Auto-pilot
Max fuel capacity: 1730 gal

GENERAL
Crew .................. 2
Pilot & Co-pilot
CLEARANCES
Length (overall) .... 51.8’
Width (max) .... 7.8’
Height (max) .... 6.8’
MAIN CARGO DOOR
Height (max) .... 6.0’
Width (max) .... 10.0’
Height above ground .... 7.8’
LIMIT FLOOR LOADS*
(overall)
Station Load
176.5 to 754.5 300 lb/sq ft
*Max cargo aft of station
676.5 is 3000 lb.

UNCLASSIFIED

28 MAR 57
### Characteristics Summary: Basic Mission

#### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 naut. mi</td>
<td>1443 naut. mi</td>
<td></td>
</tr>
<tr>
<td>with 12,264 lb payload</td>
<td>with 12,264 lb payload</td>
<td></td>
</tr>
<tr>
<td>at 165 knots avg.</td>
<td>at 174 knots avg.</td>
<td></td>
</tr>
<tr>
<td>in 9.15 hours.</td>
<td>in 8.4 hours.</td>
<td></td>
</tr>
</tbody>
</table>

#### CLIMB

<table>
<thead>
<tr>
<th>960 fpm</th>
<th>21,600 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>sea level, take-off weight</td>
<td>100 fpm, take-off weight</td>
</tr>
<tr>
<td>normal power</td>
<td>normal power</td>
</tr>
</tbody>
</table>

#### CEILING

<table>
<thead>
<tr>
<th>2320 fpm</th>
<th>25,800 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>sea level, combat weight</td>
<td>500 fpm, combat weight</td>
</tr>
<tr>
<td>military power</td>
<td>normal power</td>
</tr>
</tbody>
</table>

#### LOAD

<table>
<thead>
<tr>
<th>Cargo:</th>
<th>12,264 lb</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Fuel:</th>
<th>1494 gal</th>
</tr>
</thead>
<tbody>
<tr>
<td>protected</td>
<td>0 %</td>
</tr>
<tr>
<td>droppable</td>
<td>0 %</td>
</tr>
<tr>
<td>external</td>
<td>0 %</td>
</tr>
</tbody>
</table>

#### WEIGHTS

| Empty..... | 32,860 lb |
| Combat... | 38,324 lb |
| Take-off.. | 55,900 lb |

**NOTES**

1. Performance Basis:
   (a) Estimated data
3. Revision Basis: Initial Issue

---

**TIME TO CLIMB**

81 knots

**STALLING SPEED**

81 knots

power-off, landing configuration, take-off weight