Characteristics Summary

CARGO C-46F

Wing area .................................. 1358 sq ft Length ...................................... 76.3 ft
Span .......................................... 108.0 ft Height ...................................... 21.7 ft

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

STATUS

1. Major differences from C-46E: Smooth faired windshield, provisions for troops and paratroop door in right side of fuselage.
2. First flight: (C-46) 26 March 1940
3. First service use: 1941
4. Production completed: September 1945
5. Navy designation: R5C-1

POWER PLANT

(2) R-2800-75
Pratt-Whitney
ENGINE RATINGS
BHP - RPM - ALT
T.O: 2000 - 2700 -
Mil: 2000 - 2700 - 1500
1600 - 2700 - 13,500
Nor: 1600 - 2400 - 5700
1450 - 2400 - 13,000

FEATURES

Crew: 4
Troops: 50
Litters: 33
Glider tow (prov)
De-icer boots
Defrosting
Auto-Pilot
Max Fuel Cap: 3000 gal

ARMAMENT

NONE

18 MAY 1950
**S P E C E I F I C A T I O N**

**C h a r a c t e r i s t i c s Summary Basic Mission**

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**P E R F O R M A N C E**

<table>
<thead>
<tr>
<th>Performance Category</th>
<th>Combat Range</th>
<th>Combat Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Combination Radius</strong></td>
<td>1000 naut. mi</td>
<td>219 knots at 10,000 ft alt, max power</td>
</tr>
<tr>
<td>with 11,275 lb payload at 150 knots avg. in 13.67 hours.</td>
<td>with 11,275 lb payload at 151 knots avg. in 12.72 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**C L I M B**

<table>
<thead>
<tr>
<th>Climb Category</th>
<th>Climb Rate</th>
<th>Climb Ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea level, take-off weight normal power</td>
<td>575 fpm</td>
<td>16,300 ft</td>
</tr>
<tr>
<td>Sea level, combat weight maximum power</td>
<td>2150 fpm</td>
<td>22,250 ft</td>
</tr>
</tbody>
</table>

**LOAD WEIGHTS**

<table>
<thead>
<tr>
<th>Load</th>
<th>Cargo: 11,275 lb</th>
</tr>
</thead>
</table>

**STALLING SPEED**

<table>
<thead>
<tr>
<th>Stalling Speed</th>
<th>81 knots</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flaps down, take-off weight</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES**

1. **PERFORMANCE BASIS:**
   (a) Flight test
   (b) Fuel density: 6.0 lb/gal
   (c) In computing Radius and Range, specific fuel consumptions have been increased 5% to allow for variation of fuel flow in service aircraft.

2. **REVISION BASIS:** To show engine ratings and change in “Status”, “Features” and “Notes” blocks.

* Includes 528 gal. in auxiliary tanks

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**UNCLASSIFIED**