Characteristics Summary

CARGO C-45F

Wing area ......................... 349 sq ft  Length ......................... 34.2 ft
Span .................................. 47.6 ft  Height .......................... 9.3 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>
</tbody>
</table>

**STATUS**

1. First acceptance: March 1940
2. Production completed: August 1945
3. Navy designation: JRB-4

**POWER PLANT**

(2) R-985-AN-1 or AN-3
Pratt-Whitney

**ENGINE RATINGS**

<table>
<thead>
<tr>
<th>BHP</th>
<th>RPM</th>
<th>ALT</th>
</tr>
</thead>
<tbody>
<tr>
<td>450</td>
<td>2300</td>
<td>S.L.</td>
</tr>
<tr>
<td>400</td>
<td>2200</td>
<td>5100</td>
</tr>
</tbody>
</table>

**FEATURES**

- Crew: 2
- Passengers: 5
- Prop Anti-icing
- Boot De-icer
- Life Rafts (2) (prov)
- Auto-Pilot
- Max Fuel Cap: 247 gal

**ARMAMENT**

NONE

18 MAY 1950
# Characteristics Summary Basic Mission ——— C-45F

![Diagram showing combat radius and altitude.]  
**Combat Radius:** 400 Nautical Miles

## Performance

<table>
<thead>
<tr>
<th><strong>Combat Radius</strong></th>
<th><strong>Combat Range</strong></th>
<th><strong>Combat Speed</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>400 naut. mi</td>
<td>635(^{(2)}) naut. mi</td>
<td>192 knots at 10,000 ft alt, max power</td>
</tr>
</tbody>
</table>

### Maximum Speed
- 195 knots at 3000 ft alt, max power

### Climb
- 1110 fpm sea level, take-off weight normal power
- 1870 fpm sea level, combat weight maximum power

### Ceiling
- 21000 ft 100 fpm, take-off weight normal power
- 20,700 ft 500 fpm, combat weight maximum power

### Take-off
- Ground run: 1030 ft no assist
- Over 50 ft height: 1530 ft no assist

### Load Weights

<table>
<thead>
<tr>
<th><strong>Passengers:</strong></th>
<th><strong>Empty:</strong> 5850 lb</th>
<th><strong>Combat:</strong> 7040 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fuel:</strong></td>
<td><strong>Take-off:</strong> 8500 lb</td>
<td><strong>Flaps Down:</strong> 59 knots</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Notes</strong></th>
</tr>
</thead>
</table>

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.
   - (d) Performance shown above for max power is based on 450 BHP @ 2300 RPM @ 3000 ft.

2. Nose auxiliary fuel tank must remain full if two aft passenger seats are occupied.

3. **Revision Basis:** To show engine ratings and changes in "Status", "Features" and "Notes" blocks.

*Note: Majority of aircraft now have 47 gal nose tank. (Total fuel 247 gal). A few aircraft will retain 38.5 gal nose tank. (Total fuel 238.9 gal). Above performance is based on 238 gal fuel.*