# Characteristics Summary

**TRANSPORT:** R3Y-2

**CONVAIR**

**WING AREA:** 2,100 Sq. Ft.  
**WING SPAN:** 145' - 10''  
**LENGTH:** 143' - 11''  
**HEIGHT:** 51' - 5''

<table>
<thead>
<tr>
<th>AVAILABILITY</th>
<th>PROCUREMENT</th>
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</thead>
<tbody>
<tr>
<td>NUMBER AVAILABLE</td>
<td>NUMBER DELIVERED IN FISCAL YEARS</td>
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<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
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## Status

**First Flight:** October 1954  
**Service:** March 1956

### Engines

<table>
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<th>4 Allison T40-A-10</th>
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<tr>
<td><strong>SHP</strong></td>
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<tr>
<td>T.O.</td>
</tr>
<tr>
<td>MIL.</td>
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<tr>
<td>NORM.</td>
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<td>Spec. No. 300C</td>
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### Features

- Crew (on duty) 5  
- (off duty) 2
- Pressurized Cabin
- Cargo 44,800#
- Passengers - 103
- 92 Litters and 12 Attendants

### Armament

**NONE**
## Performance Summary

### Combat Radius
- 735 naut. mi. @ 285 knots avg.

### Combat Range
- 1,840 naut. mi. @ 285 knots avg. for hours

Radius is 40% of range

### Climb
- 1,900 ft./min. at Sea Level, T.O. wt., Normal Power
- 770 ft/min at 2,000 ft., T.O. Weight, Normal Power

### Ceiling
- 29,000 ft. at 100 ft./min., T.O. wt., Normal Power
- 26,500 ft. at 300 ft/min., T.O. Weight, Normal Power

### Take Off
- 32 Secs. with Calm - No Assist

### Load
- Fuel: 8,000 gal.
- Fixed: 8,000 drop
- Max Capacity: 11,000 gal.

### Weights
- Empty: 86,410 lbs.
- Combat: 165,000 lbs.
- Take-off: 165,000 lbs.

### Stalling Speed
- 98.0 knots with Power Off, Flaps down, T.O. wt.

### Time to Climb
- ft. in min.

### Notes
- Performance Basis: Contractor's data unsubstantiated by BUAER.
- Range and radius based on engine specification fuel consumption increased by 5%.