# CHARACTERISTICS SUMMARY

**SEAPLANE TRANSPORT**  
**R3Y-1**  
**CONSOLIDATED**

<table>
<thead>
<tr>
<th>Wing Area</th>
<th>2,100 Sq. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wing Span</td>
<td>145' - 10&quot;</td>
</tr>
<tr>
<td>Length</td>
<td>142' - 6&quot;</td>
</tr>
<tr>
<td>Height</td>
<td>51' - 5&quot;</td>
</tr>
</tbody>
</table>

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

**STATUS**

First Flight .......................... February 1954  
Service Use ........................... March 1956

**ENGINES**

<table>
<thead>
<tr>
<th>4 Allison T40-A-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHP</td>
</tr>
<tr>
<td>T.O.</td>
</tr>
<tr>
<td>MIL.</td>
</tr>
<tr>
<td>NORM.</td>
</tr>
</tbody>
</table>

**FEATURES**

- Crew (on duty) - 5  
- Crew (off duty) - 2  
- Pressurized Cabin  
- Maximum Capacities:  
  - Passengers: 80  
  - Litter Patients: 72  
  - Attendants: 8  
- Cargo: 48,000 lbs.  
- 12,400 gallons fuel  
- Transport Version of XP5Y-1

**ARMAMENT**

NONE

**Date**: 15 February 1957
## CHARACTERISTICS SUMMARY

### BASIC MISSION

- 20,000 ft.
- "S.L." (Sea Level)
- 20,000 ft.
- **COMBAT RANGE**

### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>-- naut. mi.</td>
<td>2,140 naut. mi.</td>
<td>277 knots at 10,000 ft.</td>
</tr>
<tr>
<td>-- knots avg.</td>
<td>243 knots avg.</td>
<td>280 knots at 25,000 ft.</td>
</tr>
<tr>
<td></td>
<td>8.8 hours</td>
<td>268 knots at ft.</td>
</tr>
</tbody>
</table>

**T.O. Weight**

Maximum Power

### CLIMB

- 1,500 ft./min.

*Sea Level, T.O. wt.*

Normal Power

### CEILING

- 22,500 ft.

*100 ft./min., T.O. wt.*

Normal Power

### TAKE OFF

- 38 Secs - Calm

*No Assist*

- 27 Secs - 25 kt wind

*No Assist*

### LOAD

- Fuel 12,400 gal.
- fixed 12,400 drop
- *Payload - 14,500 lbs.*
- *Maximum with Full fuel*

### WEIGHTS

- Empty 85,551 lbs.
- Combat -- lbs.
- Take-off *175,000 lbs.*
- *Max. T.O. Weight*

### STALLING SPEED

- 102 knots

Power Off

Flaps down, T.O. wt.

### TIME TO CLIMB

- -- ft. in -- min.

*Combat Wt., Max. Power*

### NOTES

Performance is based on the Pilots Handbook and Flight Test.

Range is based on flight test fuel consumption data.

Reason for Reissue: More recent flight test data available.

Operation at 175,000 lbs Gross Weight shall take place in sheltered water.

DECASSIFIED

15 FEBRUARY 1957