**Characteristics Summary**

**RECONNAISSANCE RB-36D & E (III)**

- **Consolidated-Vultee**

<table>
<thead>
<tr>
<th>Wing Area</th>
<th>4772 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>162.1 ft.</td>
</tr>
<tr>
<td>Span</td>
<td>230 sq. ft.</td>
</tr>
<tr>
<td>Height</td>
<td>46.8 ft.</td>
</tr>
</tbody>
</table>

### Availability

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

### Status

- **RB-36D-III**
  - Contract Approved: Feb. 54
  - First Flight: Aug. 54
  - First Delivery: Aug. 54
  - Navy Equivalent: None

- **RB-36E-III**
  - Contract Approved: Feb. 54
  - First Flight: June 54
  - First Delivery: June 54
  - Navy Equivalent: None

Major differences from the RB-36D & E standard aircraft are the removal of self-sealing pads, fuel purging system, crew comfort items, gun sighting blisters, and all turrets except the tail turret. Mfr's Model: 36

### Power Plant

- **(6) R-4360-41**
  - Pratt & Whitney
  - Engine Ratings
    - BHP
    - RPM
    - ALT
    - MIN
    - T.O.: 3500 2700 Turbo 5
    - 3250 2700 Turbo 5
    - Mil.: 3500 2700 Turbo 30
    - 3220 2700 Turbo 30
    - Nor.: 2650 2550 Turbo Cont
    - *Wet
  - PLUS
  - (4) J47-GE-19
  - General Electric

### Features

- Crew: 19
- Cameras: 14
- Cabin Pressurization
- Thermal Anti-Icing
- Gun Laying Radar
- AN/APG-32 or AN/APG-32A
- Loran
- Defensive, Ferret & Weather ECM
- Removable Jet Pods
- Max. Fuel Capacity 33,626 gal.

### Armament

- **Turrets:** 1
- Guns: 2 x 20mm (M-24A1)
- Ammunition (Tot.): 1200 rds
- **BOMBS:**
  - No
  - Class (lb)
  - 80 T-86 Photo Flash: 188

---

**RB-36D & E (III)**
### Characteristics Summary Basic Mission RB-36D & E (III)

#### Performance

<table>
<thead>
<tr>
<th>Performance</th>
<th>Ferry Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Combat Radius</strong></td>
<td><strong>Ferry Range</strong></td>
<td><strong>Speed</strong></td>
</tr>
<tr>
<td>3225 naut. mi</td>
<td>7765 Naut. Mi.</td>
<td>COMBAT 355 knots at 39,900 ft alt, max power</td>
</tr>
<tr>
<td>with 3664 lb payload</td>
<td>with 32,040 gal fuel</td>
<td>MAX 360 knots at 37,200 ft alt, max power</td>
</tr>
<tr>
<td>at 188 knots avg.</td>
<td>at 176 knots avg.</td>
<td>BASIC 339 knots at 25,000 ft alt, max power</td>
</tr>
<tr>
<td>in 33.9 hours</td>
<td>in 44.2 hours</td>
<td></td>
</tr>
</tbody>
</table>

#### Climb

<table>
<thead>
<tr>
<th>Climb</th>
<th>Ceiling</th>
<th>Take-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>950 fpm sea level, take-off weight normal power</td>
<td>33,000 ft 100 fpm, take-off weight normal power</td>
<td>4400 ft ground run</td>
</tr>
<tr>
<td>2220 fpm sea level, combat weight maximum power</td>
<td>40,700 ft 500 fpm, combat weight maximum power</td>
<td>5685 ft over 50 ft height</td>
</tr>
</tbody>
</table>

#### Load Weights

- Flash Bombs: 2256 lb
- Chaff: 1408 lb
- Ammunition: 1200 rds/20mm
- Fuel: 31,405 gal protected (Part) 0%
- dropable 0%
- external 0%
- Empty: 163,560 lb
- Combat: 251,900 lb
- Take-off: *370,000 lb
- *Limited by structure

#### Stall Speed

- 107 knots power-off, landing configuration, take-off weight

#### Time to Climb

- 

### Notes

1. Performance Basis:
   Calculations based on flight test of B-36D Aircraft with configuration adjustments.

2. Revision Basis:
   To reflect Featherweight Flight Test data and approved engineering changes.