Characteristics Summary

CARGO ............... C-133A

Wing Area .................. 2673 sq ft  Length ...................... 157.5 ft
Span ..................... 179.7 ft  Height ......................... 46.3 ft

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>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

STATUS

1. Design Initiated: Mar 53
2. Mock-up: Dec 53
3. First flight: Apr 56
4. First acceptance: Apr 56
5. Currently in production

Navy Equivalent: None

POWER PLANT

(4) T34-P-3A
Pratt & Whitney

ENGINE RATINGS
S.L.S. SHP- LB - RPM- MIN
T.O. 5500 - 1250 - 11,000-5
M.I. 5300 - 1250 - 11,000-30
Nor: 4750 - 1125 - 10,750- Cont

FEATURES

Truck bed height loading
Aft loading door with integral ramp
Pressurized airplane
Single-point refueling
Thermal cyclic de-icing (wing)
Dual, Tandem, Main landing gear
Anti-skid system
Hi pressure pneumatic boots (empennage)
Anti-collision lights

Max fuel capacity 18,112 gal

GENERAL

Crew (normal) ........... 4
Pilot
Co-pilot
Systems Engineer
Navigator

Relief Crew ............ *3
Troops ................ None
Litters ................. None
Max Cargo ............ †128,587 lb

*M for long flights
†Limited by zero fuel
### CHARACTERISTICS SUMMARY

**Basic Mission**

- **CARGO**
  - 33,600 FT
  - 31,500 FT
  - 16,250 FT
  - 12,000 FT

### PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 naut. mi with 109,500 lb payload</td>
<td>1637 naut. mi with 109,500 gal fuel</td>
<td>COMBAT 281 knots at 30,000 ft alt, mil power</td>
</tr>
<tr>
<td>at 267 knots avg.</td>
<td>at 266 knots avg.</td>
<td>MAX 304 knots at 12,450 ft alt, mil power</td>
</tr>
<tr>
<td>in 7.67 hours.</td>
<td>in 6.45 hours</td>
<td>BASIC 295 knots at 25,000 ft alt, mil power</td>
</tr>
</tbody>
</table>

### CLIMB

- **980 fpm** sea level, take-off weight, military power
- **3030 fpm** sea level, combat weight, military power

### CEILING

- **15,550 ft** 100 fpm, take-off weight, military power
- **29,600 ft** 500 fpm, combat weight, military power

### TAKE-OFF

- **5750 ft** no assist
- **8200 ft** over 50 ft height

### LOAD WEIGHS

<table>
<thead>
<tr>
<th>Cargo: 109,500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel: 11,044 gal</td>
</tr>
<tr>
<td>protected: 0 %</td>
</tr>
<tr>
<td>droppable: 0 %</td>
</tr>
<tr>
<td>external: 0 %</td>
</tr>
<tr>
<td>Empty..... 114,690 lb</td>
</tr>
<tr>
<td>Combat... 148,700 lb</td>
</tr>
<tr>
<td>Take-off 300,000 lb</td>
</tr>
<tr>
<td>limited by gear strength</td>
</tr>
</tbody>
</table>

### STALLING SPEED

- **110 knots** power-off, landing configuration, take-off weight

### TIME TO CLIMB

- Not specified

### NOTES

1. Performance Basis:
   - (a) Flight test data.
   - (b) Overload operation is at 300,000 lb take-off gross weight, limited by gear strength. Normal operation is at 257,000 take-off gross weight.
   - (c) Structure at take-off weights above 282,000 lb not substantiated by WADC.
3. Revision Basis: Revised characteristics & performance data.
   - CAUTION: At weights above 282,000 lb, caution should be employed during ground handling operations.