Characteristics Summary

RECONNAISSANCE

RB-47E

"STRATOJET"  BOEING

Wing Area ............... 1428 sq ft  Length ............... 109.8 ft
Span ..................... 116.0 ft  Height .................. 28.0 ft

AVAILABILITY

<table>
<thead>
<tr>
<th>Number available</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE</td>
</tr>
</tbody>
</table>

PROCUREMENT

| Number to be delivered in fiscal years |

STATUS

1. The RB-47E differs from the RB-47B by the installation of the J47-GE-25 engine and strengthening of landing gear to permit heavier T.O. weight.

Navy Equivalent: None  Mfr's Model: 450-158-36

POWER PLANT

(6) J47-GE-25  General Electric
ENGINE RATINGS

S.L.S.  LB - REW - MIN
Max: *7200 - 7950 - 5
5970 - 7950 - 5
MIL:  5670 - 7800 - 30
Nor:  5320 - 7630 - Cont
*with water flow of *650lbs/min ATO

Nr & Model ...†(19)14K51000
Thrust (lb) ............ 19,000
Duration (sec) .......... 15
*Manufactured by Aerojet
*See note e, Note block

FEATURES

Crew ..................... 3
Thermal Anti-icing
MB-1A Bombing-
Navigation System
A-5 Fire Control System
Anti-Skid Brakes
Approach Chute
Braking Chute
Ejection Seats
Single-Point and Air Refueling
External Droppable ATO Rack
Max Fuel Cap: *18,280 gal
*Includes wing drop tanks

ARMAMENT

Turrets: ................. 1
Guns: ... 2x20mm(M24A1)
Ammunition (tot): .. 700 rds

PHOTO. EQUIP.

Vertical Camera Station
(1) K-38; *(1) K-37; *(1) T-11
Tri-Camera Station
(3) KA-3
Forward Oblique Station
(1) K-38
Split Vertical Station
(2) K-36; *(K-37)
Flash Bombs: ... 10/M-120
Photoflash Cart. 200/M-112
*Alternate Installations

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# Characteristics Summary Basic Mission

**RB-47E**

## PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>FERRY RANGE</th>
<th>S P E E D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1915 naut. mi</td>
<td>3935 naut. mi</td>
<td>COMBAT 478 knots at 39,200 ft alt, max. power</td>
</tr>
<tr>
<td>with 720 lb chaff</td>
<td>with 15,969 gal fuel</td>
<td>(c)</td>
</tr>
<tr>
<td>at 433 knots avg.</td>
<td>at 433 knots avg.</td>
<td>MAX 497 knots at 20,000 ft alt, max. power</td>
</tr>
<tr>
<td>in 8.92 hours.</td>
<td>in 9.15 hours</td>
<td>BASIC 490 knots at 35,000 ft alt, max. power</td>
</tr>
</tbody>
</table>

## CLIMB CEILING TAKE-OFF

<table>
<thead>
<tr>
<th>CLIMB</th>
<th>CEILING</th>
<th>TAKE-OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>2110 (d) fpm sea level, take-off weight normal power</td>
<td>31,500 (d) ft 100 fpm, take-off weight normal power</td>
<td>ground run 8050 ft 5650 ft no assist assisted</td>
</tr>
<tr>
<td>4470 fpm sea level, combat weight maximum power</td>
<td>39,800 ft 500 fpm, combat weight maximum power</td>
<td>over 50 ft height 9450 ft 7100 ft no assist assisted</td>
</tr>
</tbody>
</table>

## LOAD WEIGHTS STALLING SPEED

<table>
<thead>
<tr>
<th>LOAD</th>
<th>WEIGHTS</th>
<th>STALLING SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chaff: 720 lb</td>
<td>Empty: 81,100 lb</td>
<td>157 knots power-off, landing configuration, take-off weight</td>
</tr>
<tr>
<td>Ammunition: .700 rds/20mm</td>
<td>Combat: 130,180 lb</td>
<td></td>
</tr>
<tr>
<td>Fuel: 15,858 gal</td>
<td>Take-off: 200,000 lb (2)</td>
<td></td>
</tr>
<tr>
<td>protected 63 %</td>
<td>limited by structure</td>
<td></td>
</tr>
<tr>
<td>droppable 8 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>external 8 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## NOTES

1. **Performance Basis:**
   
   (a) Flight test data
   
   (b) All approved weight reduction items incorporated
   
   (c) Placard Speed
   
   (d) Values quoted are for T.O. weight less ATO, water and alcohol
   
   (e) The displacement rack must be utilized in carrying maximum complement of (19) 16811000.

2. Includes 4610 lb ATO and 5300 lb water and alcohol

3. **Revision Basis:** Data recordinated by OCAMA.