Characteristics Summary

UTILITY ................. U-1A

"OTTER"

De HAVILLAND

Wing Area .......... 375.0 sq ft  Length .......... 41.8 ft
Span ................. 58.0 ft  Height ............ 12.4 ft

AVAILABILITY

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

PROCUREMENT

<table>
<thead>
<tr>
<th>Number to be delivered in fiscal years</th>
</tr>
</thead>
</table>

STATUS

1. USAF accepted.
2. Production quantities delivered to Dept. of Army.
3. Production Completion: Aug 60

Navy Equivalent: UC-1

Mfr's Model: DHC-3

POWER PLANT

(1) R-1340-59
Pratt & Whitney

ENGINE RATINGS

BHP - RPM - ALT - MIN
T.O: 600 - 2250 - S.L. - 5
Nor: 550 - 2200 - S.L. - Cont

FEATURES

Throw-over control column
Dual rudder controls
Tailwheel Power Steering
Double slatted wing flaps
General purpose hatch in baggage comp't floor

ALTERNATE PROVISIONS
Comb. wheel-skis or floats

Max fuel capacity: 213.5 gal

GENERAL

Crew (normal) .......... *1
*provisions for co-pilot
Passengers (max) ....... 10
(including co-pilot)
CAPACITIES
Floor Area Volume
Cabin Seats
(folded) 50.5 sq ft 273 cu ft
(removed) 55 sq ft 293 cu ft
Storage 8.5 sq ft 38 cu ft
Compt' Aft Section 14 cu ft
Cabin Door (right)
Width ........ 2.6'
Height ....... 3.8'
Main Cargo Door
Width ........ 3.7'
Height .......... 3.9'
Ht. above Gnd 3.3'

1 SEP 60

UNCLASSIFIED

U-1A
Characteristics Summary Basic Mission . . . . . . U-1A

**Performance**

<table>
<thead>
<tr>
<th>Combat Radius</th>
<th>Combat Range</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 naut. mi</td>
<td>548 naut. mi</td>
<td>COMBAT 136 knots at 5000 ft alt, meto power</td>
</tr>
<tr>
<td>with 1912 lb payload</td>
<td>with 1912 lb payload</td>
<td>MAX 136 knots at 5000 ft alt, meto power</td>
</tr>
<tr>
<td>at 106 knots avg.</td>
<td>at 106 knots avg.</td>
<td>BASIC 136 knots at 5000 ft alt, meto power</td>
</tr>
<tr>
<td>in 4.7 hours.</td>
<td>in 5.2 hours.</td>
<td></td>
</tr>
</tbody>
</table>

**Climb**

<table>
<thead>
<tr>
<th>Sea level, take-off weight</th>
<th>735 fpm</th>
<th>17,400 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meto power</td>
<td></td>
<td>100 fpm, take-off weight</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Meto power</td>
</tr>
</tbody>
</table>

**Ceiling**

<table>
<thead>
<tr>
<th>Sea level, combat weight</th>
<th>820 fpm</th>
<th>10,500 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meto power</td>
<td></td>
<td>500 fpm, combat weight</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Meto power</td>
</tr>
</tbody>
</table>

**Take-off**

<table>
<thead>
<tr>
<th>1045 ft</th>
<th>1605 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>No assist</td>
<td>No assist</td>
</tr>
</tbody>
</table>

**Load**

<table>
<thead>
<tr>
<th>Baggage: 112 lb</th>
<th>Passengers: 1800 lb</th>
<th>Empty... 4880 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel: 153.5 gal</td>
<td>Protectable 0 %</td>
<td>Combat... 7577 lb</td>
</tr>
</tbody>
</table>

**Weights**

<table>
<thead>
<tr>
<th>Take-off 8000 lb</th>
<th>Limited by strength</th>
</tr>
</thead>
</table>

**Stalling Speed**

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

**Time to Climb**

Notes

1. Performance Basis:
   (a) Flight test
   (b) Meto (max except T.O.) power is 550 BHP at 2200 RPM at 5000 feet critical altitude.


3. Revision Basis: To reflect changes in characteristics and performance data.