

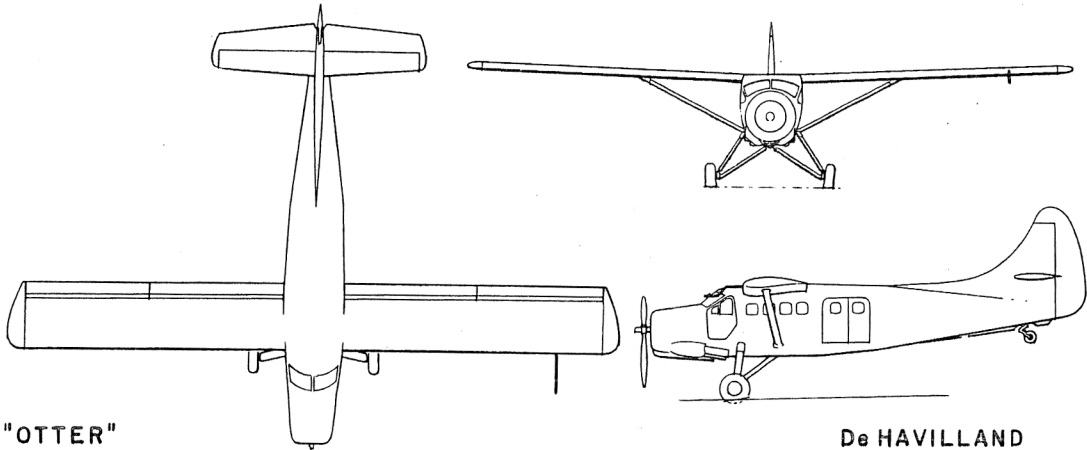
*utility*

UNCLASSIFIED

SERVICE

# 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			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

## STATUS

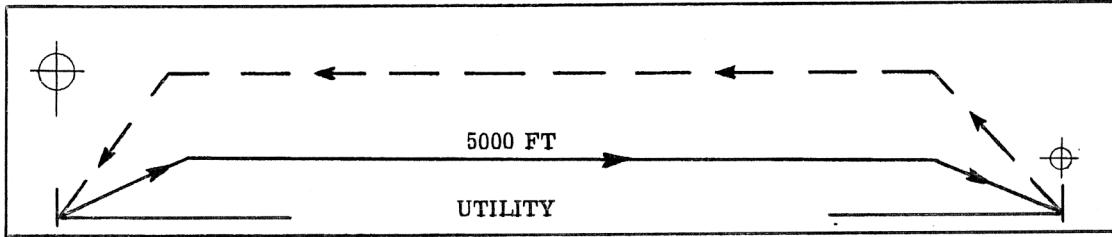
1. USAF accepted.
2. Production quantities delivered to Dept. of Army.
3. Production Completion: Aug 60

Navy Equivalent: UC-1

Mfr's Model: DHC-3

POWER PLANT	FEATURES	GENERAL
(1) R-1340-59 Pratt & Whitney <b>ENGINE RATINGS</b> BHP - RPM - ALT - MIN T.O: 600 - 2250 - S.L. - 5 Nor: 550 - 2200 - S.L. - Cont	Throw-over control column Dual rudder controls Tailwheel Power Steering Double slatted wing flaps General purpose hatch in baggage comp't floor <b>ALTERNATE PROVISIONS</b> Comb. wheel-skis or floats  Max fuel capacity: 213.5 gal	Crew (normal) . . . . . *1 *provisions for co-pilot Passengers (max) . . . . 10 (including co-pilot) <b>CAPACITIES</b> Floor Area    Volume Cabin Seats (folded) 50.5 sq ft 273 cu ft (removed) 53 sq ft 293 cu ft Storage    8.5 sq ft 38 cu ft Comp't 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'

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



PERFORMANCE		
<b>COMBAT RADIUS</b>	<b>COMBAT RANGE</b>	<b>S P E E D</b>
250 naut. mi with 1912 lb payload at 106 knots avg. in 4.7 hours.	548 naut. mi with 1912 lb payload at 106 knots avg. in 5.2 hours	COMBAT 136 knots at 5000 ft alt, meto power MAX 136 knots at 5000 ft alt, meto power BASIC 136 knots at 5000 ft alt, meto power
<b>C L I M B</b>	<b>C E I L I N G</b>	<b>T A K E - O F F</b>
735 fpm sea level, take-off weight meto power	17,400 ft 100 fpm, take-off weight meto power	ground run 1045 ft   — ft no assist   assisted
820 fpm sea level, combat weight meto power	10,500 ft 500 fpm, combat weight meto power	over 50 ft height 1605 ft   — ft no assist   assisted
<b>L O A D</b>	<b>W E I G H T S</b>	<b>S T A L L I N G S P E E D</b>
Baggage: 112 lb Passengers: 1800 lb  Fuel: 153.5 gal protected 0 % droppable 0 % external 0 %	Empty..... 4680 lb Combat... 7577 lb Take - off 8000 lb  limited by strength	50 knots power-off, landing config- uration, take-off weight <b>T I M E T O C L I M B</b> _____

**N O T E S**

- Performance Basis:
  - Flight test
  - Meto (max except T.O.) power is 550 BHP at 2200 RPM at 5000 feet critical altitude.
- Performance Reference: De Havilland Aerodynamic Report AEROC 2.G.2, Appendix "C", "U-1A Otter Performance", dated Oct 59.
- Revision Basis: To reflect changes in characteristics and performance data.