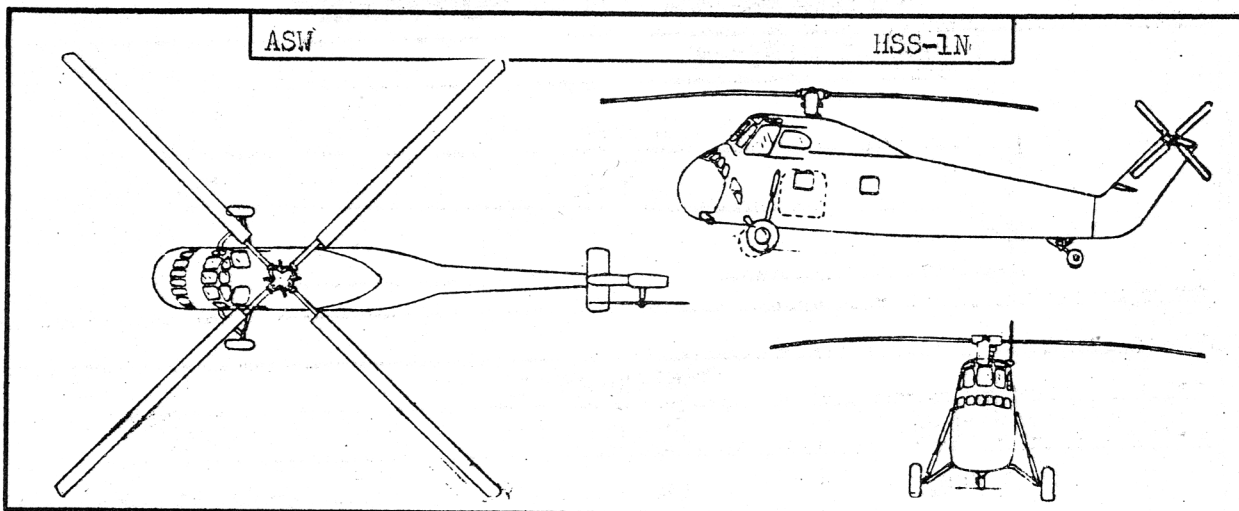


# CHARACTERISTICS SUMMARY



DISC AREA 2460 sq. ft.

\*LENGTH 37' 0"

ROTOR DIA. 56' 0"

HEIGHT 15' 8"

\*Rotor and Tail Pylon Folded

AVAILABILITY			PROCUREMENT			
NUMBER AVAILABLE			NUMBER DELIVERED IN FISCAL YEARS			
ACTIVE	RESERVE	TOTAL				

STATUS	
First Flight . . . . .	July 1957
Service Use . . . . .	May 1958

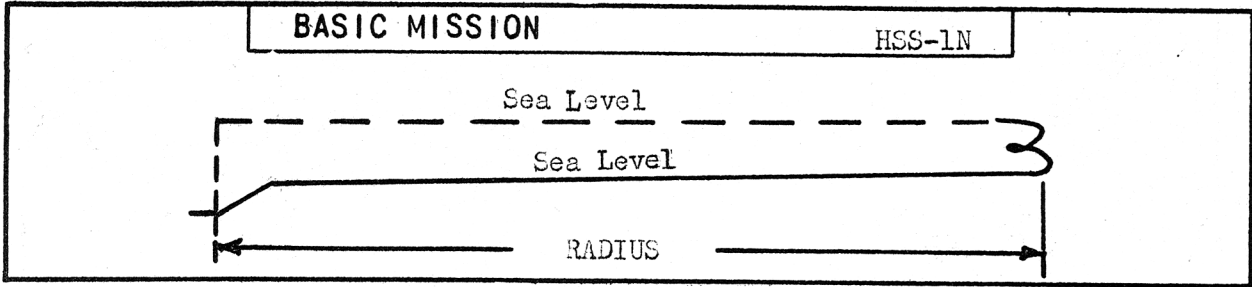
ENGINES			
Wright (1) R-1820-84B			
<u>RATINGS</u>			
	<u>BHP</u>	<u>RPM</u>	<u>ALT</u>
T.O.	1525	2800	700
MIL.	1425	2700	2400
NORM.	1275	2500	3500

FEATURES	
Crew . . . . .	2
Sonor Operators . . . . .	2
(Search Config.)	
Automatic Stabilization (ASE) for All-Weather Operation	
Throttle Governing to maintain engine RPM	

ARMAMENT	
<u>Torpodos and Mines:</u>	
MK 43 MOD 1 . . . . .	2
or	
MK 24 . . . . .	2
<u>Depth Bombs</u>	
MK 101 MOD 0 . . . . .	1
(Left side only)	

NAVAER-1519E (Rev. 6-56)

## CHARACTERISTICS SUMMARY



PERFORMANCE		
<b>MISSION ENDURANCE</b>	<b>ATTACK RADIUS</b>	<b>SPEED</b>
1.6 hours	82 naut. mi.	126 knots at Sea Level
116/93* knots avg.	116/93* knots avg.	knots at ft.
Sea Level	Sea Level	Normal Gross Weight
*outgoing/returning	*outgoing/returning	Normal Power
<b>FORWARD FLIGHT CLIMB</b>	<b>SERVICE CEILING</b>	<b>HOVERING CEILING</b>
1850 ft./min.	16200 ft.	9200 ft.
Sea Level, N. G. Wt., Normal Power	100 ft./min., N. G. Wt., Normal Power	N. G. Wt., T.O. Power out of ground effect
		ft.
		N. G. Wt., Power in ground effect
<b>LOAD</b>	<b>WEIGHTS</b>	<b>VERTICAL CLIMB</b>
Fuel 972 lbs.	Empty 8648 lbs.	1800 ft./min.
Max. Fuel Capacity 1842 lbs.	Normal Gross 10485 lbs.	Sea Level, N. G. Wt., Take-Off Power
Payload 520 lbs.	Overload 13300 lbs.	

**NOTES**

Performance basis: NATESTGEN evaluation of HSS-1 and HSS-1N  
 Radius & Mission Endurance are based upon NATESTGEN fuel consumption data  
 Reason for reissue: Availability of flight test data

NAVAER-1519D (Rev. 6-56)