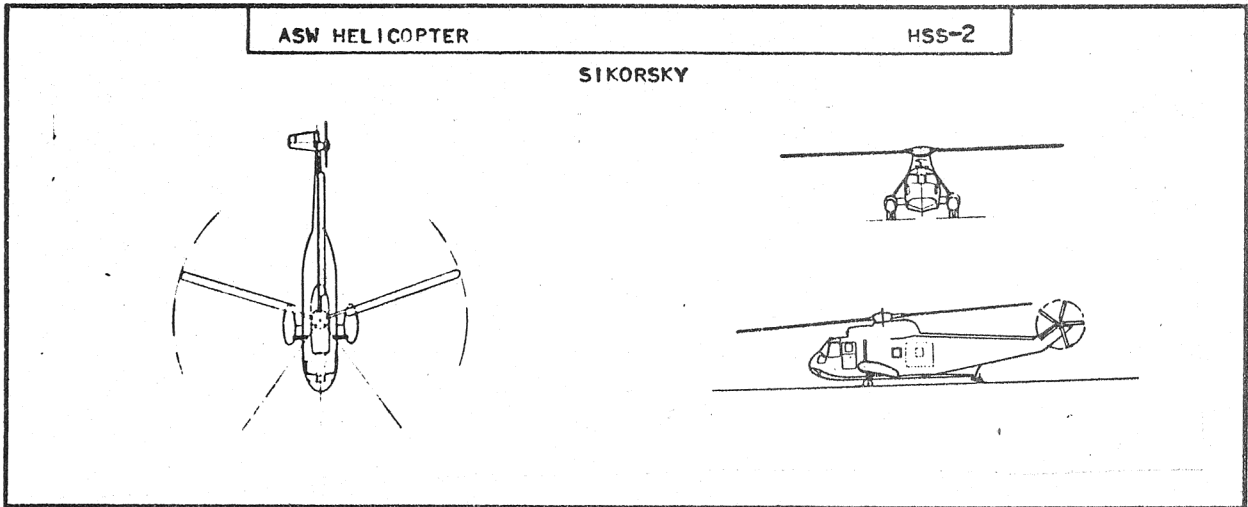


# CHARACTERISTICS SUMMARY



ASW HELICOPTER

HSS-2

SIKORSKY

DISC AREA 3019 SQ. FT.

LENGTH 56' 9 1/2"

ROTOR DIA. 62' 0"

HEIGHT 16' 8 1/2"

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

STATUS	
FIRST FLIGHT .....	APRIL 1959
SERVICE USE .....	MARCH 1961

ENGINES			
(2) T58-GE-6			
	<u>ESHP</u>	<u>RPM</u>	<u>ALT</u>
MIL	1050	19555	SL
NORM	900	19555	SL
(TRANSMISSION LIMIT 2000 HP)			

FEATURES
CREW - 4
WATER TIGHT HULL FOR DITCHING.
DIPPING SONAR
FOLDING TAIL PYLON
AUTO STABILIZATION
ALL WEATHER OPERATION

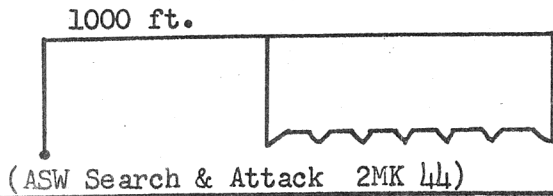
ARMAMENT
PRIMARY MISSION:
(2) TORPEDOES MK44(MOD.0)
ARMAMENT IN ANY COMBINATION:
(4) MK43(MOD.1) TORPEDOES
(4) MK44(MOD.0) TORPEDOES
(1) MK101(MOD.1) DEPTH BOMB
SPACE PROVISIONS FOR:
(4) MK14(MOD.0) DEPTH CHARGE
(4) MK54(MOD.1) AIR DEPTH BOMB

NAVAER-1519E (Rev. 6-56)

# CHARACTERISTICS SUMMARY

## BASIC MISSION

HSS-2



1. Warm up & Take-Off 3 Min NRP S.S.L.
2. Cruise at 100 KN to Search Area, Commence Dips, Cruise at 100 KN Between Dips. Hover is 50% of Mission Time, Cruise is 50%.
3. Reserve 10% of Initial Load

## PERFORMANCE

ENDURANCE	RANGE	SPEED
4.35 hours	500 naut. mi.	133 knots at S.L. ft.
100 knots avg.	120 knots avg.	knots at ft.
Sea Level ft. alt.	Sea Level ft. alt.	Normal Gross Weight Normal Power
FORWARD FLIGHT CLIMB	SERVICE CEILING	HOVERING CEILING
1450 ft./min.	12,100 ft.	5200 ft.
Sea Level, N. G. Wt., Normal Power	100 ft./min., N. G. Wt., Normal Power	N. G. Wt., Maximum Power out of ground effect
Min. Level Flight Speed Single Engine S. L. 38 Knots	Max. Level Flight Speed Single Engine S. L. 98 Knots	7250 ft. N. G. Wt., Max. Power in ground effect
LOAD	WEIGHTS	VERTICAL CLIMB
Fuel 681 gal.	Empty 10,814 lbs.	680 ft./min.
Internal 681 gal.	Normal Gross 17,196 lbs.	Sea Level, N. G. Wt., Maximum Power
External JP-4 gal.	Overload 19,000 lbs.	
Payload 882 lbs.		

## NOTES

Performance Basis: Calculations, Contractor and NPE Flight Test Data  
 Endurance Fuel Consumption Based on Engine Spec. SFC Increased by 5%  
 Reason for Reissue: Inclusion of Flight Test Data

NAVAER-1519D (Rev. 6-56)