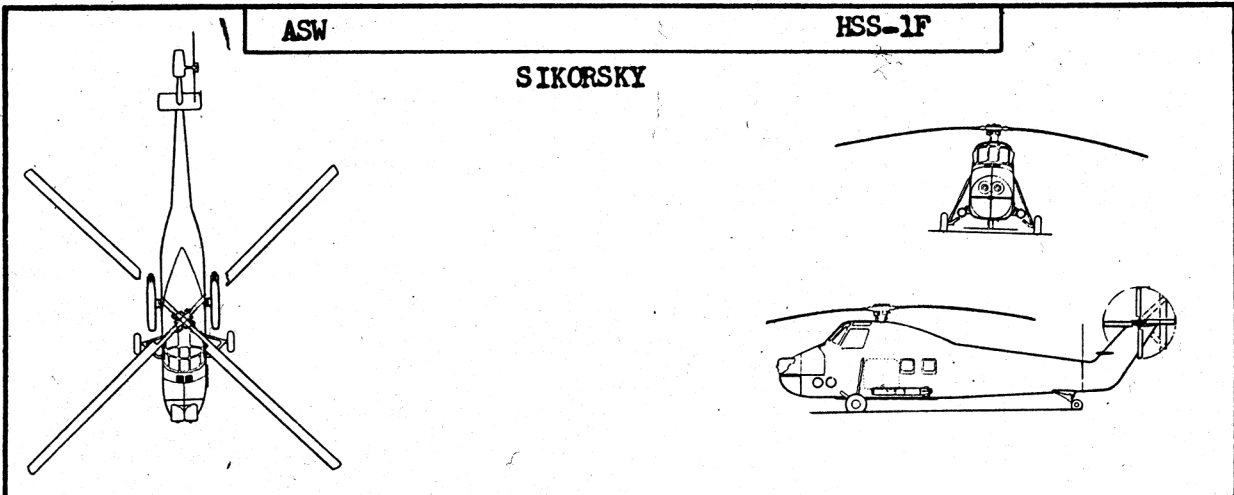


CHARACTERISTICS SUMMARY



ASW

HSS-1F

SIKORSKY

DISC AREA 2460 sq. ft.

ROTOR DIA. 56' - 0"

LENGTH 39' - 7"
Blades & Tail Folded
HEIGHT 14' - 10"

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

STATUS
Est. First Flight - - - - - January 1957

ENGINES		
(2) T58-GE-2		
	<u>SHP</u>	<u>RPM</u>
MIL.	1024	26300
NORM.	875	25600
90% cr	786	24900
75 cr	651	32900

FEATURES
Modified version of Navy Model HSS-1 in that the HSS-1F incorporates use of (2) T-58 turbo prop engines instead of (2) R-1350 recip. engines.

ARMAMENT
Provisions for 2-Mark 43-1 Torpedoes

NAVAER-1519E (Rev. 6-56)

CHARACTERISTICS SUMMARY

BASIC MISSION

HSS-1F

WARM-UP, TAKE-OFF: 2 minutes at Normal Rated Power
 CRUISE: At speed for long range 40% of time at sea level
 HOVER: Out of ground effect 60% of time at sea level
 RESERVE: 10% of initial fuel load

PERFORMANCE

ENDURANCE	RANGE	SPEED
* 2.1 hours	* 205 naut. mi.	125 knots at sea level
- - knots avg.	100 knots avg.	97 knots at 10,000 ft.
sea level	sea level	External Stores
*ASW Search Endurance	* No search	Normal Gross Weight Normal Power
FORWARD FLIGHT CLIMB	SERVICE CEILING	HOVERING CEILING
2,200 ft./min.	13,000 ft.	ft.
Sea Level, N. G. Wt., Normal Power	100 ft./min., N. G. Wt., Normal Power	N. G. Wt., Power out of ground effect
950 ft./min.		12,000 ft.
10,000 ft. N. G. Wt., Normal Power		N. G. Wt., Normal Power in ground effect
LOAD	WEIGHTS	VERTICAL CLIMB
Fuel 278 gal.	Empty 8,290 lbs.	1,225 ft./min.
Internal 278 gal.	Normal Gross 12,500 lbs.	Sea Level, N. G. Wt., Normal Power
External - - gal.	Overload 14,100 lbs.	700 ft./min.
Payload 500 lbs.		S.L. overload weight Normal Power

NOTES

Performance Basis: Estimated data
 Endurance and Range based on engine spec. fuel consumption data
 increased by 5% using JP-4

NAVAER-1519D (Rev. 6-56)