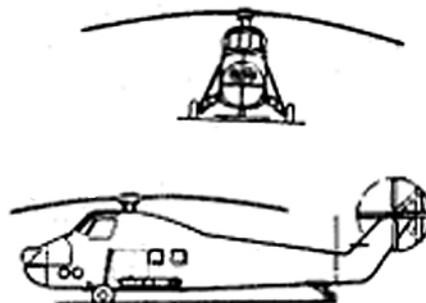
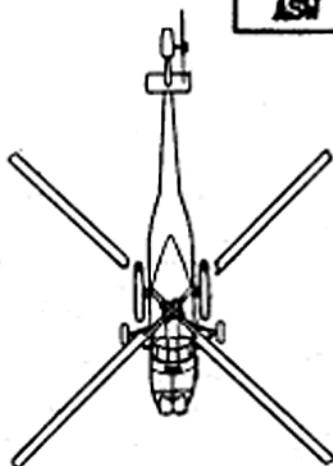


CHARACTERISTICS SUMMARY

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-15190 (Rev. 6-56)