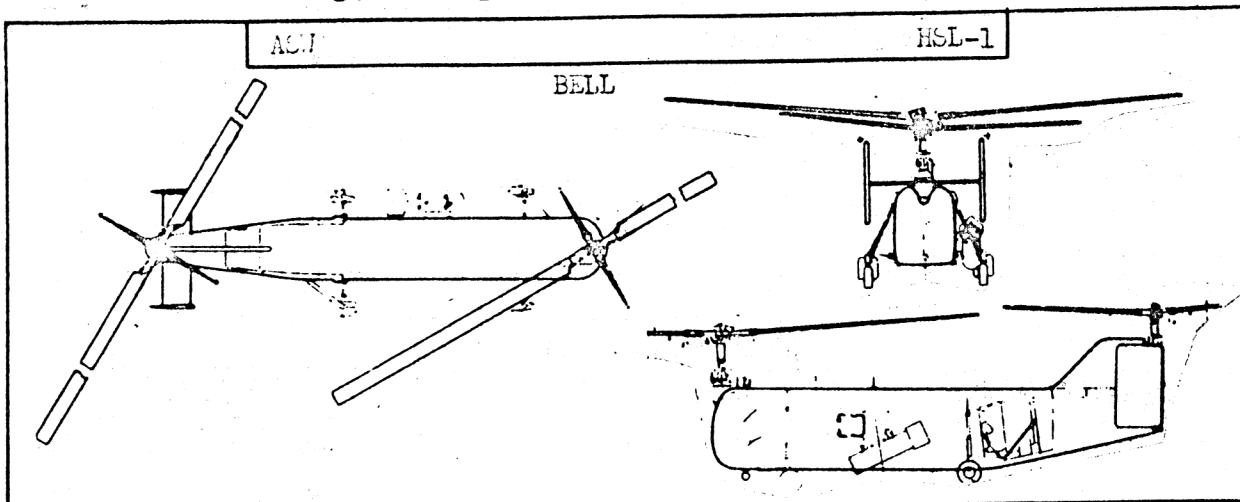


CHARACTERISTICS SUMMARY



WING AREA 3,840 sq. ft.
WING SPAN 51' - 6"

*LENGTH 39'-11"
HEIGHT 14'- 6"
*Blades Folded

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

STATUS

First flight - - - - - MARCH 1953
Service use - - - - - FEBRUARY 1956

ENGINES	
1	P & W R-2800-50
	<u>BHP @ RPM @ ALT</u>
T.O.	2,100 2,600 S.L.
NORM.	1,900 2,400 S.L.

FEATURES
Folding rotor
All weather operation
Windshield anti-icing
Hoist capacity -
800 lbs.
Crew (Search) - - - - 4
(Attack) - - - - 3

ARMAMENT
2 MK 43 Torpedoes

NAVAER 1519 A (REV. 1-49)

CHARACTERISTICS SUMMARY

BASIC MISSION

HSL-1

RADIUS PROBLEM

WARM-UP AND TAKE-OFF: 5 min. at N.R.P.

CLIMB: to cruise altitude

CRUISE: at speed for maximum radius at an altitude of 1,500 ft.

RESERVE: 10% of initial fuel load

PERFORMANCE

COMBAT RADIUS	MAX. ENDURANCE	SPEED
122 naut. mi. 84 knots avg. Cruise altitude 1,500 ft.	naut. mi. knots avg. 3.5 hours	108 knots at S.L. ft. knots at ft. knots at ft. Search Weight T.O. Power
CLIMB	CEILING	TAKE OFF
1,475 ft./min. Sea Level, T. O. wt. Normal Power	14,400 ft. 100 ft./min., T. O. wt. Normal Power	VERTICAL
1,200 ft./min. Vertical Flight Sea Level, T.O. Wt. T.O. Power	10,750 ft. Absolute Hover Ceiling T.O. Wt., T.O. Power	
LOAD	WEIGHTS	STALLING SPEED
Fuel 423 gal. fixed 423 drop Max. Cap. 450 gal.	Empty 13,073 lbs. Search 16,958 lbs. Attack 16,853 lbs.	knots Flaps down, T. O. wt.
		TIME TO CLIMB
		ft. in min. Combat Wt., Max. Power

NOTES

Performance is based on NATC Preliminary Evaluation.
 Range is based on optimum RPM, engine specification fuel consumption increased by 5%.
 All performance is out of ground effect.

NAVAER-1519B (Rev. 10-51)