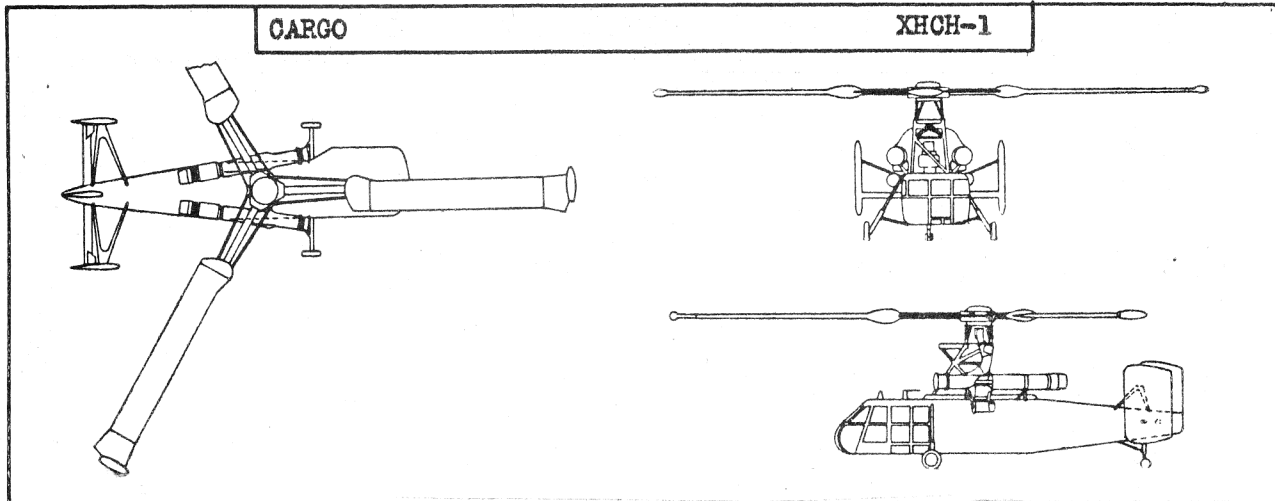


CHARACTERISTICS SUMMARY



DISC. AREA 4,420 Sq. Ft.
 BLADE DIA. 75' - 0"

* LENGTH 24'-6"
 HEIGHT 16'-6"
 *Blades Folded

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

STATUS
Mock-up.....May 1953 First Flight.....May 1958

ENGINES		
2 Allison T-56-A-6		
BHP	RPM	ALT.
T.O. 3790	13820	S.L.
NORM. 3415	13820	S.L.

FEATURES
Crew - 2 Rotor is driven by pressure jets located in blade tips Rotor blade folding Jettisonable cargo sling. 900 gal. fuel, Max. int. capacity.

ARMAMENT
NONE

NAVAER 1519 A (REV. 1-49)

CHARACTERISTICS SUMMARY

BASIC MISSION

XHCH-1

Warm-up at NRP for 3 minutes, hover without payload for 4 minutes, take-off power for 1 minute for cargo pickup, cruise at Sea Level to destination at 85 kts, hover with payload for 2 minutes, drop cargo, return less cargo at 100 kts, hover at return for 4 minutes, fuel reserve 10% of initial fuel.

PERFORMANCE

COMBAT RADIUS	COMBAT RANGE	SPEED
20 naut. mi.	-- naut. mi.	100 knots*at S.L. ft.
85 out/100 return knots avg.	-- knots avg.	-- knots at -- ft.
* .83 hours	-- hours	* Structural Design Vmax
* Mission Time		
CLIMB	CEILING	TAKE OFF
2,400 ft./min.	10,000 ft.	VERTICAL
Sea Level, T. O. wt. Maximum Power	100 ft./min., T. O. wt. Maximum Power	
1,640 ft./min.(Vertical)	6,700 ft.	
Sea Level, T. O. wt. Maximum Power	Absolute hovering ceiling 0 ft./min., T. O. wt. Maximum Power	
LOAD	WEIGHTS	STALLING SPEED
Fuel 900 gal.	Empty 18,153 lbs.	-- knots
fixed 900 drop --	Combat -- lbs.	Flaps down, T. O. wt.
Payload 16,475 lb.	Take-off 40,000 lbs.	TIME TO CLIMB
Overload Payload 24,115 lbs.	Overload Take-off 47,000 lbs.	-- ft. in -- min.
		Combat Wt., Max. Power

NOTES

Performance is based on calculated data.
 Combat radius and combat range are based on engine specific fuel consumption data, increased by 5% and allowing warm-up and take-off and a 10% fuel reserve.

NAVAER-1519B (Rev. 10-51)