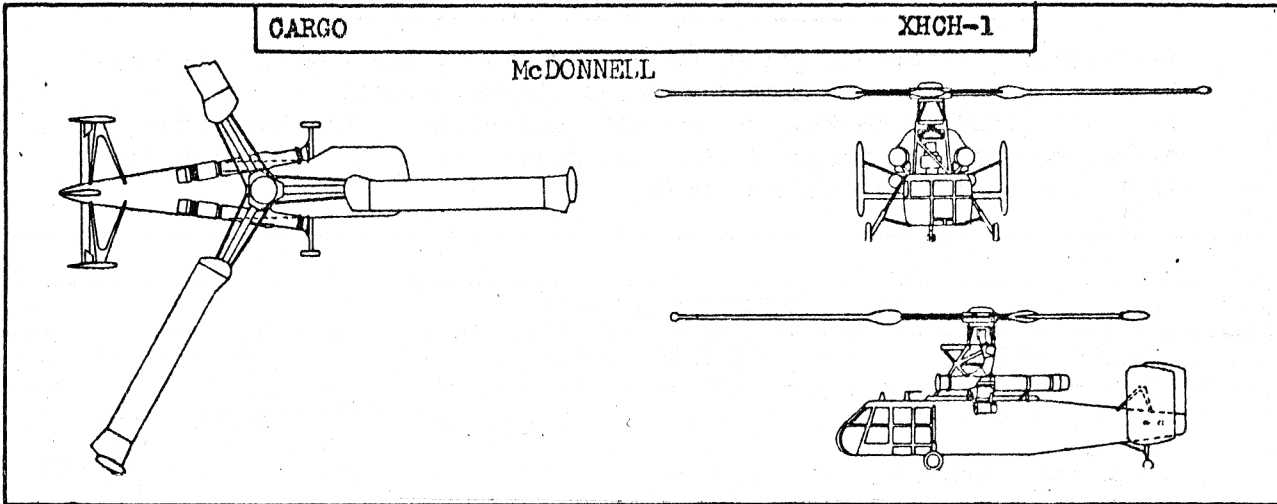


CHARACTERISTICS SUMMARY



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		
<u>BHP</u>	<u>RPM</u>	<u>ALT.</u>
T.O. 3790	13820	S.L.
NORM. 3415	13820	S.L.
Pressure -		
jet thrust 1900 lb/ea.		

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)

DECLASSIFIED

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. 85 knots outgoing 100 knots returning * .83 hours	-- naut. mi. -- knots avg. -- hours	100 knots*at S.L. -- knots at -- ft. * Structural Design Vmax Take Off Weight
* Mission Time		
CLIMB	CEILING	TAKE OFF
2,400 ft./min. Sea Level, T. O. wt. Maximum Power	10,000 ft. 100 ft./min., T. O. wt. Maximum Power	VERTICAL
1,880 ft./min.(Vertical) Sea Level, T. O. wt. Maximum Power	7,500 ft. Absolute hovering ceiling 0 ft./min., T. O. wt. Maximum Power	
LOAD	WEIGHTS	STALLING SPEED
Fuel 900 gal. fixed 900 drop -- Payload 16,332 lb. Overload Payload 23,972 lbs.	Empty 18,296 lbs. Combat -- lbs. Take-off 40,000 lbs. Overload Take-off 47,000 lbs.	-- knots Flaps down, T. O. wt.
		TIME TO CLIMB -- 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)

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