

CHARACTERISTICS SUMMARY

BASIC MISSION

HTK-1K

KAMAN

1. Warm up and take-off - 5 minutes at NRP.
2. Cruise - At speed for best range @ Sea Level.
3. Reserve - 10% of initial fuel load.

PERFORMANCE

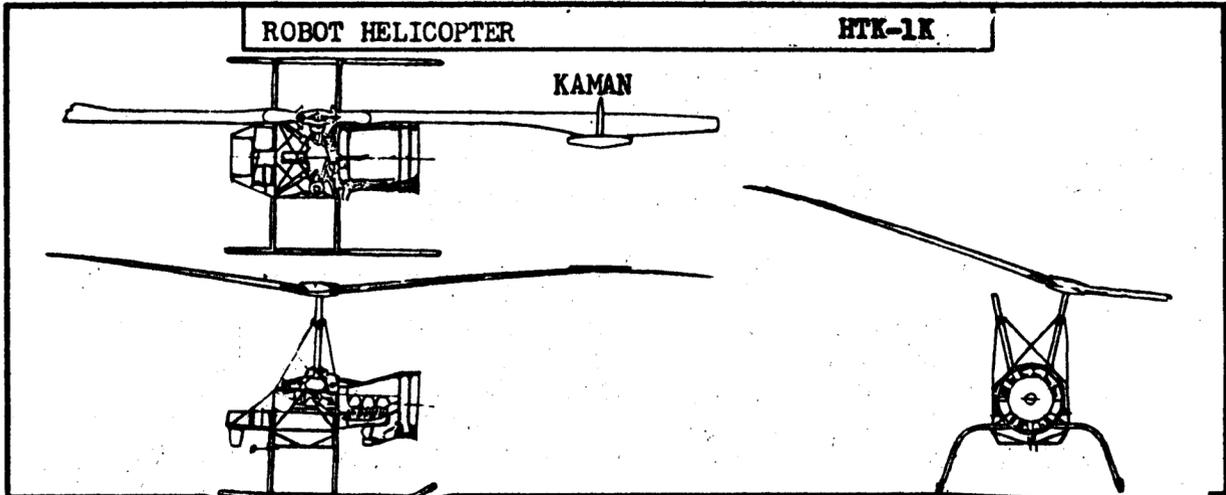
ENDURANCE	RANGE	SPEED
2.2 hours	100 naut. mi.	74 knots at S.L.
35 knots avg.	60 knots avg.	knots at ft.
Sea Level	Sea Level	Normal Gross Weight Normal Power
FORWARD FLIGHT CLIMB	SERVICE CEILING	HOVERING CEILING
735 ft./min.	9,300 ft.	3,750 ft.
Sea Level, N. G. Wt., Normal Power	100 ft./min., N. G. Wt., Normal Power	N. G. Wt., Normal Power out of ground effect
		ft. N. G. Wt., Power in ground effect
LOAD	WEIGHTS	VERTICAL CLIMB
Fuel 40 gal.	Empty 1,851 lbs.	275 ft./min.
Internal 40 gal.	Normal Gross 3,000 lbs.	Sea Level, N. G. Wt., Normal Power
External -- gal.	Overload -- lbs.	

NOTES

Performance based on NATC evaluation of HTK-1.
 Range and endurance based on engine specific fuel consumption increased 5%.
 All performance out of ground effect.

MAYAR-1519D (Rev. 6-56)

CHARACTERISTICS SUMMARY



DISC AREA 1515 sq. ft. (Projected)

LENGTH 41' - 0"

ROTOR DIA. 41' - 0"

HEIGHT 14' - 4"

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

STATUS	
First Flight.....	December 1957
Service Use.....	Not contemplated

ENGINES			
1 Lycoming O-435-4			
	<u>BHP</u>	<u>RPM</u>	<u>ALT.</u>
T.O.	255	3400	S.L.
NORM.	245	3200	S.L.

FEATURES
Drone Version of HTK-1 (No safety pilot provisions) Testbed for improving present equipment for installation in EIS helicopters.

ARMAMENT
None

MAYAR-1519E (Rev. 6-56)