

CHARACTERISTICS SUMMARY

BASIC MISSION

K-225

PERFORMANCE

MAXIMUM ENDURANCE	COMBAT RANGE	COMBAT SPEED
1.6 hours 28 knots avg. 1,500 ft. alt.	65 naut. mi. 47 knots avg. 1.4 hours 1,500 ft. alt.	63 knots at S. L. ft., Max. Power
		MAXIMUM SPEED
		63 knots at S. L. ft., Max. Power
CLIMB	CEILING	TAKE OFF
936 ft./min. (forward flight) Sea Level, T. O. wt. Normal Power	9,200 ft. (forward flight) 100 ft./min., T. O. wt. Normal Power	Vertical
555 ft./min. (vertical) Sea Level, T. O. Wt. Normal Power	5,650 ft. Absolute Hover Ceil., T. O. Wt. Normal Power	
LOAD	WEIGHTS	STALLING SPEED
Fuel 24 gal. fixed 24 drop -- Pay Load 190 lbs.	Empty 1,943 lbs. Combat -- Take-off 2,500 lbs.	knots Flaps down, T. O. wt.
		TIME TO CLIMB
		ft. in min. Combat Wt., Max. Power

NOTES

Performance is based on NATC flight test of K-225.

Range and endurance are based on engine specification fuel consumption data increased by 5% and allowing fuel for warm-up and take-off and a 10% fuel reserve.

All performance is out of ground effect.

CHARACTERISTICS SUMMARY

RESEARCH HELICOPTER

K-225

KAMAN

DISC AREA 1,268 sq. ft. (projected)

LENGTH 38' - 0"

ROTOR DIA. 38' - 0"

HEIGHT 15' - 0"

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

STATUS

Off the shelf procurement with minor Navy changes. Purpose in purchasing K-225 helicopter was to evaluate the unusual intermeshing rotor configuration and servo flap control system.

ENGINES

1 Lycoming O-435-A2
 NORMAL 225/3,000/S.L.

FEATURES

3 place
 Servo flap control
 system

40 gallons fuel,
 maximum capacity

ARMAMENT

 None

Accommodations

1 Pilot
 2 Passengers

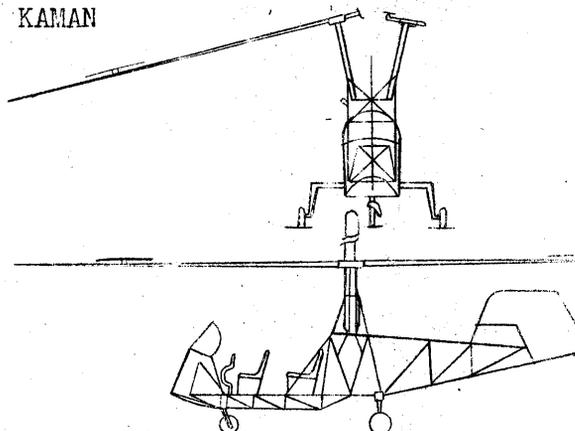
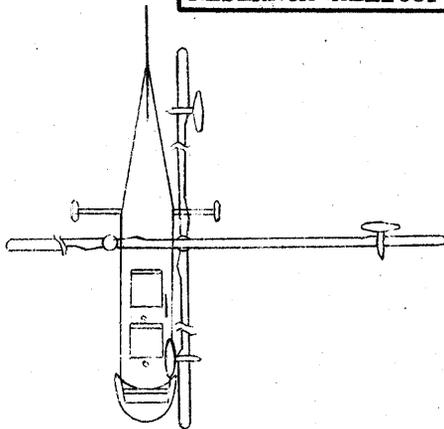
NAVAER A (REV. 1-49)

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NAVAER 1519 A (REV. 1-49)