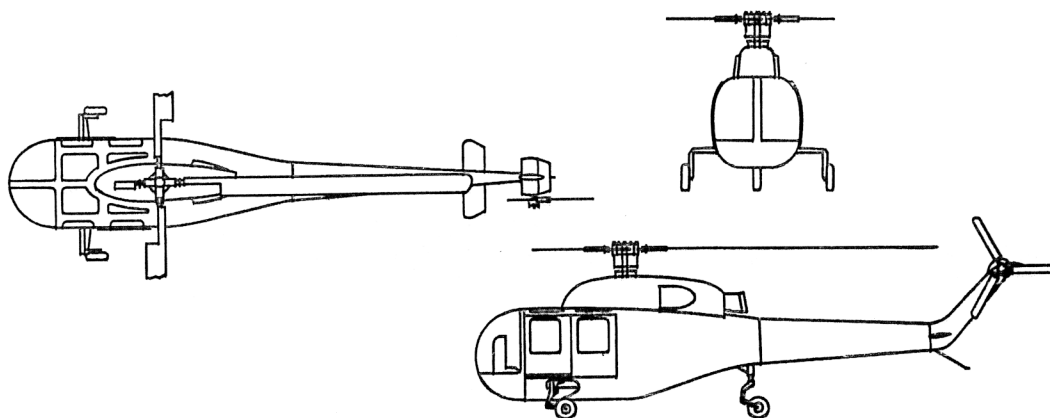


Characteristics Summary

HELICOPTER XH-39



SIKORSKY

Disc Area	962.0 sq ft	Length (rotors operating)	41.8 ft
Rotor Dia	35.0 ft	(rotors static)	35.7 ft
Height	11.2 ft	(fuselage)	30.3 ft

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AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

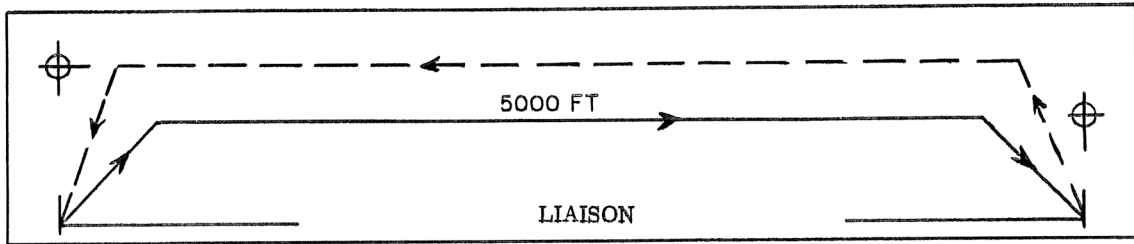
1. The gas turbine engine was first installed in the YH-18B and test flown.
2. The YH-18B was later modified and redesignated XH-39.
3. First Flight (YH-18B): Jul 53
4. First Flight (XH-39): Jun 54

Navy Equivalent: None

Mfr's Model: S-59

POWER PLANT	FEATURES	GENERAL
(1) XT51-T-3 Continental ENGINE RATINGS S.L.S.SHPLB - RPM - MIN T.O: 425 - 75 - 34,800 - 5 Mil: 400 - 77 - 34,800 - 30 Nor: 375 - 78 - 34,800 - Cont	Gas Turbine Power Plant Retractable Landing Gear All-Metal Rotor Blades Wire Laying Equip (prov) Max Fuel Capacity: 135 gal	Crew (normal) 1 Passengers 3 or Litters 2 plus Attendants 1

Characteristics Summary Basic Mission XH-39



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	S P E E D
137 naut. mi with 464 lb payload at 135 knots avg. in 2.1 hours.	285 naut. mi with 464 lb payload at 136 knots avg. in 2.2 hours	COMBAT ^(b) 136 knots at 5000 ft alt, mil power MAX 142 knots at 2500 ft alt, mil power BASIC ^(b) 136 knots at 5000 ft alt, mil power
C L I M B	C E I L I N G	T A K E - O F F
820 fpm sea level, take-off weight normal power	19,200 ft 100 fpm, take-off weight normal power	ground run 0 ft — ft no assist assisted
1360 fpm sea level, combat weight military power	20,400 ft 500 fpm, combat weight military power	over 50 ft height 0 ft — ft no assist assisted
L O A D	W E I G H T S	H O V E R I N G C E I L .
Crew 200 lb Passengers . . . 400 lb Baggage 64 lb Fuel: 127 gal protected 0 % droppable 0 % external 0 %	Empty 2239 lb Combat 3384 lb Take - off 3760 lb limited by performance	6300 ft combat weight, military power VERT. CLIMB 100 fpm sea level, take-off weight, military power.

N O T E S
1. Performance Basis: (a) Estimated data (b) Limited by stall 2. Revision Basis: Data reCOORDINATED this date