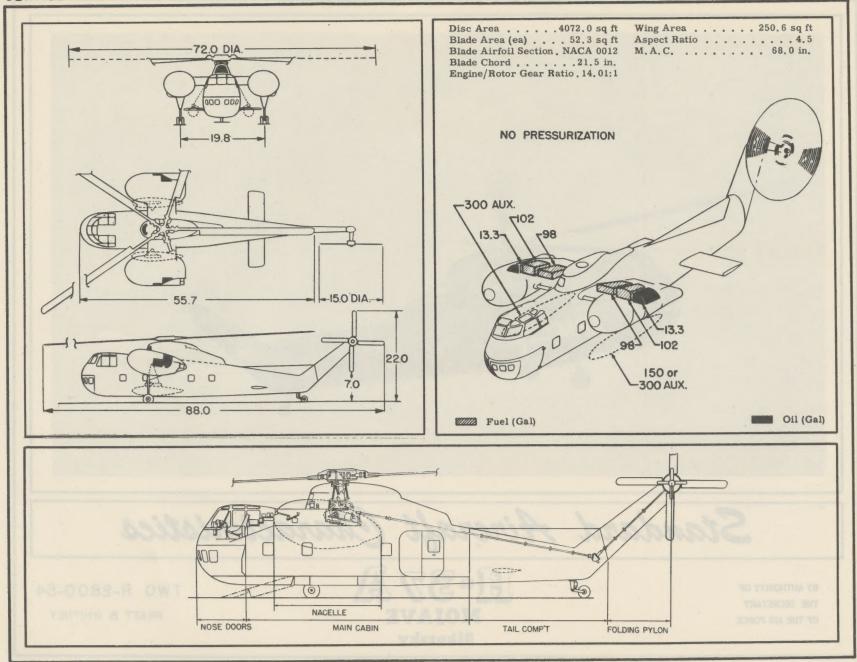


Standard Aircraft Characteristics

BY AUTHORITY OF THE SECRETARY OF THE AIR FORCE MOJAVE Sikorsky

TWO R-2800-54
PRATT & WHITNEY



H-37A

UNCLASSIFIED

22 JUL 58

POWER PLANT

 Nr & Model (2) R-2800-54

 Mfr Pratt & Whitney

 Engine Spec. Nr N-8143B

 Superch 1 stg, 1 spd

 Red Gear Ratio D.D.

ENGINE RATINGS

BHP - RPM - ALT - MIN

T.O: 2100 - 2700 - 5000 - 5

†Nor: *1900 - 2600 - 7000 - Cont

*See "General Data", notes (a) and (c), page 6.

† Meto power (Max except take-off)

Mission and Description

Navy Equivalent: HR2S-1

Mfr's Model: S-56

The principal mission of the H-37A is transportation of cargo, equipment, and troops. Other capabilities include evacuation of casualties, rescue, and observation operations.

This helicopter is of the twin engine, single main rotor type with an automatic torque compensating tail rotor and a controllable horizontal stabilizer. It incorporates a dual control system, supplemented by a collective pitch control lever synchronized with the throttle to provide constant rotor speed. The mechanical flight controls are augmented by primary and secondary hydraulic servo systems. The engine nacelles are mounted in the outer ends of the wing section. The main rotor blades and the tail pylon are foldable. A utility hydraulic system provides for the operation of the nose cargo doors, cargo loading ramp, and main landing gear retracting mechanism. Special equipment includes provisions for an auxiliary fuel system to allow for optional installation of external droppable fuel tanks.

Development

Contract date			۰															. Oct 54	
First Flight										٠								. May 56	
First Acceptance	.0																	. Sep 56	
Production Status		٠			٠			٠				٠				In	pr	oduction	

WEIGHTS

	Loading Lb L.F.
-	Empty 20,717(A)
1	Basic 21,017(A)
1	Design 2.50
١	Combat *23,008 3.30
ı	Max T.O. (overload) 31,000 2.45
1	Max T.O.(normal) \$30,217 2.51
١	Max Land
1	galbusi saway Wa-1885"

(A) Actual

- * For Basic Mission
- † Limited by Spec. Max Alternate T.O. Wt
- ‡ Limited by Design Wt
- tt Limited by Max T.O. Wt.

UEL

Location Nr Tanks Gal
Wgs* 2 204
Nacelles 2 196
Wg, ext, drop . † 2 600
Total 1000
Grade T 115/145
Specification Mil-F-5572
*Self-sealing
† 2x150 Gal drop tanks can be
carried in lieu of 300 gal tanks.

OIL

Nacelles	٠	2		. (tot) 26.6
Grade				1065 & 1100
Specification	۰		.1	Mil-L-6082A

DIMENSIONS

-11		_
1	Rotor Dia 72.	01
ı	Wing Span 27.	31
١	Incidence	
1	Dihedral	00
١	Length:	
	Rotors Operating 88.	01
	Rotors Static 80.	01
-	Rotors & Tail Pylon Folded . 55.	71
1	Fuselage 64.	21
	Height 22.	01
	Tread	
	Main Rotor Ground Clearance	
	Idling 14.	11
ı	Static	51
	Tail Rotor Ground Clearance 7.	
ı		

CAPACITIES

Max Cargo: See "Payload-Distance"
graph, page 5
Cargo Compartment:
Length 30.1'
Width (max) 7.3'
Height (max) 6.7'
Volume 1252.7 cu ft
Floor Area 202.4 sq ft
Side Cargo Door:
Height 5.9'
Width
Nose Opening (cargo loading ramp
retracted)
Height 3.8'
Width 7.3'
infrage line

PERSONNEL

Crew (normal) 3
Pilot
Co-pilot
Flight Engineer
Troops 23
or
Litters 24
S and to work application (2)

ELECTRONICS

Aircraft Radio Corp.
VHF Command Type 12
Transmitter T-11B
Transmitter T-13A
Receiver R-19
Marker Beacon AN/ARN-12
Radio Compass AN/ARN-6
FM Interphone AN/ARC-44
Omni-Direction Receiver
*AN/ARN-30
Lightweight IFF *AN/APX
UHF Command †AN/ARC-27
*Provisions only
†Alternate to VHF Command -
Type 12

Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL 2 Speed for max rate of climb at SL 2 Time: SL to 5000 ft 2 Time: SL to 10,000 ft 2 Service ceiling (100 fpm) 2 Absolute hovering ceiling 1 COMBAT RANGE 3 Average cruising speed Cruising altitude Total mission time	(lb) (lb) (lb) (lb) (lb) (b/bhp) /sq ft) (kn) (ft) (fpm) (fpm) (kn) (min) (min) (ft) (n mi) (kn)	MISSION 1 31,000 2400 6783 None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 125 98 5000	DESIGN II 30,217- 2400 6000 None 7.20 7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	RADIUS III 31,000 3757 5109 None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 207 98 5000	EVACUATION IV 24, 311 2400 None 6000 5.79 5.97 85 0/0 1730 1740 60 2.9 6.0 16,150 9100	spoge LU.	V 24,217 2400 None None 5.77 5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159 106	VI 28,396 6000 None None 6.76 6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Fuel at 6.0 lb/gal (grade 115/145) Payload (outbound) Payload (inbound) Take-off power loading Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL (2) Speed for max rate of climb at SL (2) Speed for max rate of climb at SL (2) Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling (1) COMBAT RANGE (3) Average cruising speed Cruising altitude Total mission time COMBAT RADIUS (3) Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (4)	(lb) (lb) (lb) (lb) (lb) (b/bhp) /sq ft) (kn) (ft) (fpm) (kn) (min) (min) (ft) (n mi) (kn) (ft)	2400 6783 None 7.39 7.61 85 170/390 — 970 60 5.4 15.2 6 9650 — 125 98 5000	30,217- 2400 6000 None 7.20 7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	3757 5109 None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 207 98	2400 None 6000 5.79 5.97 85 0/0 1730 1740 60 2.9 6.0	apoqe .C.	2400 None None 5.77 5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	6000 None None 6.76 6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Fuel at 6.0 lb/gal (grade 115/145) Payload (outbound) Payload (inbound) Take-off power loading Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL (2) Speed for max rate of climb at SL (2) Speed for max rate of climb at SL (2) Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling (1) COMBAT RANGE (3) Average cruising speed Cruising altitude Total mission time COMBAT RADIUS (3) Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (4)	(lb) (lb) (lb) (lb) (lb) (b/bhp) /sq ft) (kn) (ft) (fpm) (kn) (min) (min) (ft) (n mi) (kn) (ft)	2400 6783 None 7.39 7.61 85 170/390 — 970 60 5.4 15.2 6 9650 — 125 98 5000	2400 6000 None 7.20 7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102	3757 5109 None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 207 98	2400 None 6000 5.79 5.97 85 0/0 1730 1740 60 2.9 6.0	0.10 0.10	2400 None None 5.77 5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	6000 None None 6.76 6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Payload (outbound) Payload (inbound) Take-off power loading Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL (2) Speed for max rate of climb at SL (2) Time: SL to 5000 ft (2) Time: SL to 10,000 ft (2) Service ceiling (100 fpm) Absolute hovering ceiling (1) COMBAT RANGE (3) Average cruising speed Cruising altitude Total mission time COMBAT RADIUS (3) Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (4)	(lb) (lb) (lb) (lb) (lb) (lb) (lb) (lb)	6783 None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 ————————————————————————————————————	6000 None 7.20 7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	5109 None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 207 98	None 6000 5.79 5.97 85 0/0 1730 1740 60 2.9 6.0 16,150	- G.	None 5.77 5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	None 6.76 6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Payload (inbound) Take-off power loading Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL Speed for max rate of climb at SL Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling COMBAT RANGE Average cruising speed Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (1b. (1c. (1c. (1c. (1c. (1c. (1c. (1c. (1c	(lb) b/bhp) /sq ft) (kn) (fpm) (fpm) (kn) (min) (min) (ft) (n mi) (kn) (ft)	None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 125 98 5000	None 7.20 7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	None 7.39 7.61 85 170/390 970 60 5.4 15.2 9650 207 98	6000 5.79 5.97 85 0/0 1730 1740 60 2.9 6.0 16,150	Q.1	None 5.77 5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	None 6.76 6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Take-off power loading Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL Wax rate of climb at SL Speed for max rate of climb at SL Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling COMBAT RANGE Average cruising speed Cruising altitude Total mission time COM BAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (1b,10b,10c) (1c,10b,10c) (1c,10c)	b/bhp) //sq ft) (kn) (ft) (fpm) (fpm) (kn) (min) (min) (ft) (n mi) (kn) (ft)	7.39 7.61 85 170/390 970 60 5.4 15.2 9650 125 98 5000	7.20 7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	7.39 7.61 85 170/390 ————————————————————————————————————	5.79 5.97 85 0/0 1730 1740 60 2.9 6.0 16,150	8	5.77 5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	6.76 6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Disc loading Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL 2 Speed for max rate of climb at SL 2 Time: SL to 5000 ft 2 Time: SL to 10,000 ft 2 Service ceiling (100 fpm) 2 Absolute hovering ceiling 1 COMBAT RANGE 3 Average cruising speed Cruising altitude Total mission time COM BAT RADIUS 3 Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	/sq ft) (kn) (ft) (fpm) (fpm) (kn) (min) (min) (ft) (ft) (n mi) (kn) (ft)	7.61 85 170/390 	7.42 85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	7.61 85 170/390 970 60 5.4 15.2 9650 207 98	5.97 85 0/0 1730 1740 60 2.9 6.0 16,150	8.1	5.95 85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	6.97 85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Autorotation speed (min R/D) Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL 1 Max rate of climb at SL 2 Speed for max rate of climb at SL 2 Time: SL to 5000 ft 2 Time: SL to 10,000 ft 2 Service ceiling (100 fpm) 2 Absolute hovering ceiling 1 COMBAT RANGE 3 Average cruising speed Cruising altitude Total mission time COMBAT RADIUS 3 Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(kn) (ft) (fpm) (fpm) (kn) (min) (min) (ft) (ft) (n mi) (kn) (ft)	85 170/390 970 60 5.4 15.2 6 9650 125 98 5000	85 0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	85 170/390 — 970 60 5.4 15.2 6 9650 — 207 98	85 0/0 1730 1740 60 2.9 6.0 16,150		85 0/0 1755 1755 60 2.9 5.9 16,250 9200 159	85 0/0 705 1245 60 4.1 9.0 12,200 4300 372
Take-off ground run at SL/clear 50 ft Vertical rate of climb at SL 1 Max rate of climb at SL 2 Speed for max rate of climb at SL 2 Time: SL to 5000 ft 2 Time: SL to 10,000 ft 2 Service ceiling (100 fpm) Absolute hovering ceiling 1 COMBAT RANGE 3 Average cruising speed Cruising altitude Total mission time COMBAT RADIUS 3 Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(ft) (fpm) (fpm) (kn) (min) (min) (ft) (ft) (n mi) (kn) (ft)	170/390 970 60 5.4 15.2 9650 125 98 5000	0/0 115 1050 60 5.1 13.2 10,400 1100 132 102 5000	970 60 5.4 15.2 9650 207 98	0/0 1730 1740 60 2.9 6.0 16,150		0/0 1755 1755 60 2.9 5.9 16,250 9200 159	0/0 705 1245 60 4.1 9.0 12,200 4300 372
Vertical rate of climb at SL 1 Max rate of climb at SL 2 Speed for max rate of climb at SL Time: SL to 5000 ft 2 Service ceiling (100 fpm) Absolute hovering ceiling 1 COM BAT RANGE 3 Average cruising speed Cruising altitude Total mission time COM BAT RADIUS 3 Average cruising speed Cruising altitude Total mission time Total mission time FIRST LANDING WEIGHT 4	(fpm) (fpm) (kn) (min) (min) (ft) (ft) (n mi) (kn) (ft)	970 60 5,4 15,2 9650 ————————————————————————————————————	115 1050 60 5.1 13.2 10,400 1100 132 102 5000	970 60 5.4 15.2 6 9650 207 98	1730 1740 60 2.9 6.0 16,150		1755 1755 60 2.9 5.9 16,250 9200 159	705 1245 60 4.1 9.0 12,200 4300 372
Max rate of climb at SL Speed for max rate of climb at SL Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling COM BAT RANGE Average cruising speed Cruising altitude Total mission time COM BAT RADIUS Average cruising speed Cruising altitude Total mission time Total mission time Total mission time FIRST LANDING WEIGHT 4	(fpm) (kn) (min) (min) (ft) (ft) (n mi) (kn) (ft)	60 5.4 15.2 6 9650 — 125 98 5000	1050 60 5.1 13.2 10,400 1100 132 102 5000	60 5.4 15.2 9650 207 98	1740 60 2.9 6.0 16,150		1755 60 2.9 5.9 16,250 9200 159	1245 60 4.1 9.0 12,200 4300 372
Speed for max rate of climb at SL Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling COMBAT RANGE Average cruising speed Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time Total mission time Total mission time FIRST LANDING WEIGHT 4	(kn) (min) (min) (ft) (ft) (n mi) (kn) (ft)	60 5.4 15.2 6 9650 — 125 98 5000	60 5.1 13.2 10,400 1100 132 102 5000	60 5.4 15.2 9650 207 98	60 2.9 6.0 16,150		60 2,9 5,9 16,250 9200 159	60 4.1 9.0 12,200 4300 372
Time: SL to 5000 ft Time: SL to 10,000 ft Service ceiling (100 fpm) Absolute hovering ceiling COMBAT RANGE Average cruising speed Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(min) (min) (ft) (ft) (n mi) (kn) (ft)	5.4 15.2 6 9650 — 125 98 5000	5.1 13.2 10,400 1100 132 102 5000	5.4 15.2 6 9650 	2.9 6.0 16,150	8	2.9 5.9 16,250 9200 159	4, 1 9, 0 12, 200 4300 372
Service ceiling (100 fpm) Absolute hovering ceiling COMBAT RANGE 3 Average cruising speed Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(min) (ft) (ft) (n mi) (kn) (ft)	15.2 (6) 9650 ————————————————————————————————————	13,2 10,400 1100 132 102 5000	15.2 (6) 9650 ————————————————————————————————————	6.0 16,150	8	5.9 16,250 9200 159	9.0 12,200 4300 372
Service ceiling (100 fpm) Absolute hovering ceiling COMBAT RANGE 3 Average cruising speed Cruising altitude Total mission time COMBAT RADIUS 3 Average cruising speed Cruising altitude Total mission time Total mission time FIRST LANDING WEIGHT 4	(ft) (ft) (n mi) (kn) (ft)	9650 ————————————————————————————————————	10,400 1100 132 102 5000	9650 207 98	16, 150	84	16,250 9200 159	12,200 4300 372
COMBAT RANGE Average cruising speed Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (3) (4)	(ft) (n mi) (kn) (ft)	125 98 5000	1100 132 102 5000	207 98			9200 159	4300 372
COMBAT RANGE Average cruising speed Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (3)	(n mi) (kn) (ft)	98 5000	132 102 5000	207 98	9100		159	372
Average cruising speed Cruising altitude Total mission time COMBAT RADIUS 3 Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(kn) (ft)	98 5000	102 5000	98	phi sida			
Cruising altitude Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(ft)	5000	5000			1		1 101
Total mission time COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4				5000	- manne			101
COMBAT RADIUS Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT (3)	(3)						5000	5000
Average cruising speed Cruising altitude Total mission time FIRST LANDING WEIGHT 4	(hr)	1.3	1.3	2.2			1.5	3.7
Cruising altitude Total mission time FIRST LANDING WEIGHT (4)	(n mi)	58	60	100	61			
Total mission time FIRST LANDING WEIGHT 4	(kn)	100	103	99	104		milit	1197 - FEB 74 140
FIRST LANDING WEIGHT 4	(ft)	5000	5000	5000	5000			
	(hr)	1,2	1.2	2.1	1.2		(8)	MIT IN DO., 9
Ground roll at SL/clear 50 ft	(1b)	29,791	29,034	29, 132	23,301		_	*9 HA (D) H
	(ft)	0/0	0/0	0/0	0/0			_
COMBAT WEIGHT (4)	(1b)	23,008	23,034	24,023	29,301	-	22,057	22,636
Combat altitude	(ft)	5000	5000	5000	5000		5000	5000
Combat speed (2)	(kn)	132	132	131	114		135	134
Combat speed Combat climb Combat ceiling (500 fpm) Service ceiling (100 fpm) 2	(fpm)	1870	1860	1725	1035		2000	1915
Combat ceiling (500 fpm) (2)	(ft)	15,950	15,950	15,000	9750		16,900	16,350
Service ceiling (100 fpm) (2)	(ft)	17,400	17,400	16,400	11,300		18,300	17,750
Absolute hovering ceiling (1)	(ft)	10,700	10,660	9480	3240		11,850	11.150
Take-off ground run at SL/clear 50 ft (1)	(ft)	0/0	0/0	0/0	0/0	10.1	0/0	0/0
Max rate of climb at SL (2)	(fpm)	1915	1915	1780	1140	12.3	2045	1970
Speed for max rate of climb (2)	(kn)	60	60	60	60	98	60	60
Max speed at SL (2)	(kn)	135	135	134	123	00	135	135
Basic speed at 5000 ft (2)	(kn)	132	132	131	114		135	134
		22,057	22,057	22,330	28, 151	100	22,057	22,636
LANDING WEIGHT Ground roll at SL/clear 50 ft	(1b) (ft)	0/0	0/0	0/0	0/0	10 0	0/0	0/0
Ground Poll at SL/ clear 50 It	(10)	0/0	0/0	0/0	0,0	10	0/0	The Tall amount

N 1 Max power

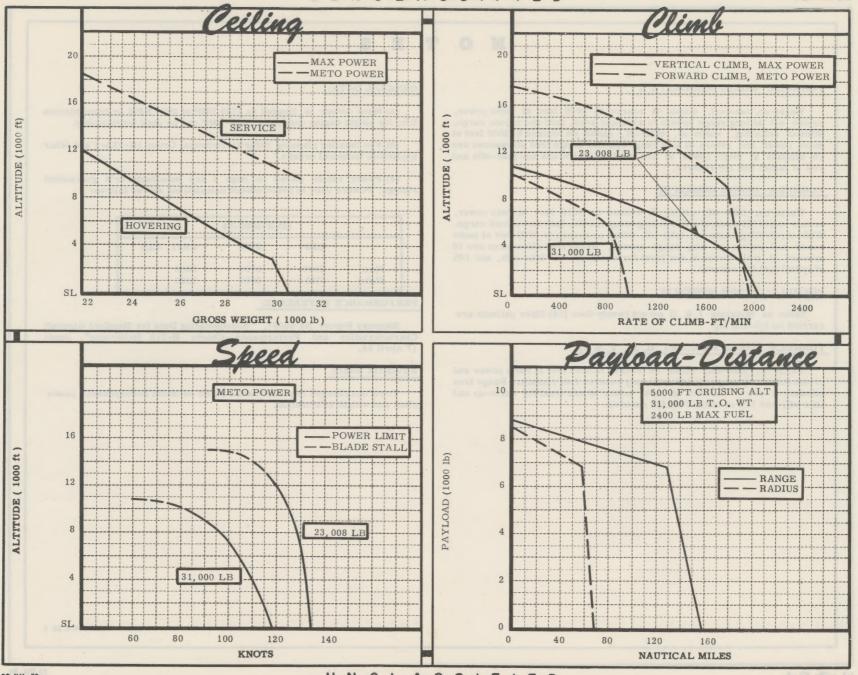
O ② Meto power (Max except take-off)

 3 Detailed descriptions of Radius and Range Missions are given on page 6.
 4 For Radius Mission if radius is shown 5 Includes crew of 3 at 200 lb each

6 Time to service ceiling

PERFORMANCE BASIS:

- (a) Data Source: Navy Flight Tests on H-37A
- (b) Performance is based on powers shown on page 6.
- (c) Data do not include ground effect except for take-off and landing



NOTES

FORMULA: RADIUS MISSIONS I & II

Warm-up, take-off, climb on course to 5000 feet at meto power, cruise out at long range speeds to advanced area, land and unload cargo. Without refueling, warm-up, take-off, climb on course to 5000 feet at meto power and return at long range speeds. Range free allowances are 10 minutes at meto power at sea level for warm-ups and take-offs and 10% of initial fuel for reserve.

FORMULA: RADIUS MISSION III

Warm-up, take-off, climb on course to 5000 feet at meto power, cruise out to 100 nautical miles at long range speeds, land and unload cargo. Without refueling warm-up, take-off, climb on course to 5000 feet at meto power and return at long range speeds. Range free allowances are 10 minutes at meto power at sea level for warm-ups and take-offs, and 10% of initial fuel for reserve.

FORMULA: RADIUS MISSION IV

Same as Missions I & II except twenty-four (24) litter patients are carried on inbound leg.

FORMULA: RANGE MISSIONS I, II, III, V, & VI

Warm-up, take-off, climb on course to 5000 feet at meto power and cruise out at long range speeds until only reserve fuel remains. Range free allowances are 5 minutes at meto power at sea level for warm-up and take-off, and 10% of initial fuel for reserve.

GENERAL DATA:

- (a) Meto power is limited to 1725 BHP at 2600 RPM by transmission life; for single engine operation, 1900 BHP can be used continuously.
- (b) For detailed planning refer to Technical Order 1H-37A-1 and other applicable technical orders.
- (c) Power values shown on page 3 are manufacturer's guaranteed ratings. Powers used in performance calculations are as follows:

			(2)	R-2800-5	4	TOWERVO!
	-	ВНР	-	RPM	-	CRIT. ALT
1	Max:	2100	-)	2700	-	3000
1	Meto:	1725	-/	2600	-	9400

PERFORMANCE REFERENCE:

Sikorsky Report Nr 56087, "Substantiating Data for Standard Aircraft Characteristics and Performance Charts H-37A Helicopter", dated 17 April 58.

REVISION BASIS:

To reflect changes in performance based on latest aerodynamic, power plant and weight information.

(17 APRIL 58)