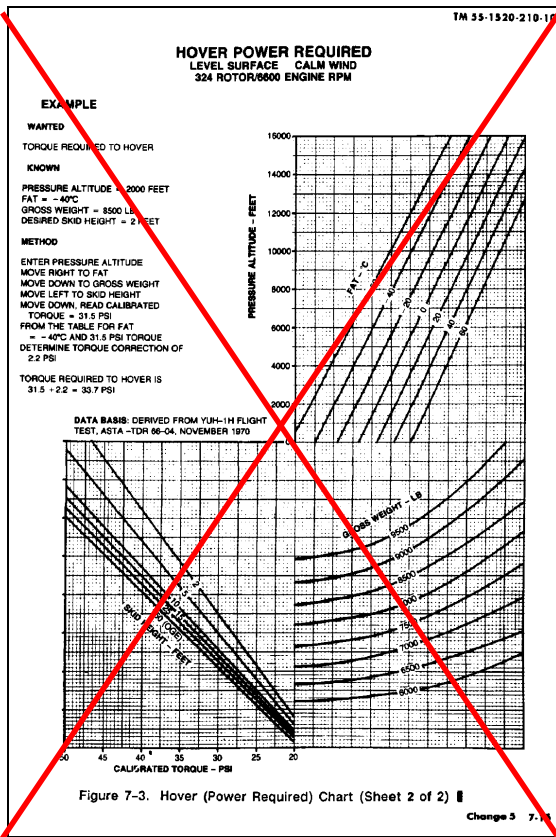


NO MORE PPC BLUES...

Completing the Performance Planning Card (PPC) can be time consuming and tedious, but not any more. The **UH-1H/V Flight Handbook For U. S. Army Aviators** is a Quick Reference and Study Guide developed by an Army Aviator for Professional Aviator's operating the UH-1H/V aircraft (or commercial equivalent).

No more "chase-around" charts!...
No more interpolating graphs!...

Hover Power Required data from
TM 55-1520-210-10...



The same data from the
UH-1H/V Flight Handbook...

Which would you rather use?...

UH-1H/V (Comp MRB)		T53-L-13 (6600 N ₂)		TAKEOFF	
HOVER POWER REQUIRED (PSI)					
Pressure Altitude Range (ft. to ft.)	Free Air Temperature Ranges (°F to °C)				
	15500 to 15000				
15000 to 14500					-57
14500 to 14000					-52
14000 to 13500					-45
13500 to 13000					-41
13000 to 12500					-36
12500 to 12000					-31
12000 to 11500					-26
11500 to 11000					-21
11000 to 10500					-17
10500 to 10000					-12
10000 to 9500					-7
9500 to 9000					-2
9000 to 8500					3
8500 to 8000					8
8000 to 7500					13
7500 to 7000					18
7000 to 6500					23
6500 to 6000					28
6000 to 5500					33
5500 to 5000					38
5000 to 4500					43
4500 to 4000					48
4000 to 3500					53
3500 to 3000					58
3000 to 2500					63
2500 to 2000					68
2000 to 1500					73
1500 to 1000					78
1000 to 500					83
500 to 0					88

Weight (lbs)	Skid Ht. (ft.)	Free Air Temperature Ranges (°F to °C)									
		26.8	28.8	30.7	32.6	34.5	36.4	38.3	40.2	42.1	44.0
6700	50	26.8	28.8	30.7	32.6	34.5	36.4	38.3	40.2	42.1	44.0
	25	27.8	29.8	31.7	33.6	35.5	37.4	39.3	41.2	43.1	45.0
	15	27.2	29.2	31.1	33.0	34.9	36.8	38.7	40.6	42.5	44.4
	10	26.4	28.4	30.3	32.2	34.1	36.0	37.9	39.8	41.7	43.6
	5	24.7	26.7	28.6	30.5	32.4	34.3	36.2	38.1	40.0	41.9
6600	50	26.4	28.4	30.3	32.2	34.1	36.0	37.9	39.8	41.7	43.6
	25	27.5	29.5	31.4	33.3	35.2	37.1	39.0	40.9	42.8	44.7
	15	26.8	28.8	30.7	32.6	34.5	36.4	38.3	40.2	42.1	44.0
	10	26.1	28.1	30.0	31.9	33.8	35.7	37.6	39.5	41.4	43.3
	5	24.1	26.1	28.0	29.9	31.8	33.7	35.6	37.5	39.4	41.3
6500	50	26.0	28.0	29.9	31.8	33.7	35.6	37.5	39.4	41.3	43.2
	25	27.1	29.1	31.0	32.9	34.8	36.7	38.6	40.5	42.4	44.3
	15	26.5	28.5	30.4	32.3	34.2	36.1	38.0	39.9	41.8	43.7
	10	25.7	27.7	29.6	31.5	33.4	35.3	37.2	39.1	41.0	42.9
	5	24.1	26.0	27.9	29.8	31.7	33.6	35.5	37.4	39.3	41.2
6400	50	27.6	29.6	31.5	33.4	35.3	37.2	39.1	41.0	42.9	44.8
	25	26.7	28.7	30.6	32.5	34.4	36.3	38.2	40.1	42.0	43.9
	15	26.1	28.1	30.0	31.9	33.8	35.7	37.6	39.5	41.4	43.3
	10	25.4	27.4	29.3	31.2	33.1	35.0	36.9	38.8	40.7	42.6
	5	23.7	25.7	27.6	29.5	31.4	33.3	35.2	37.1	39.0	40.9
6300	50	27.3	29.3	31.2	33.1	35.0	36.9	38.8	40.7	42.6	44.5
	25	26.4	28.4	30.3	32.2	34.1	36.0	37.9	39.8	41.7	43.6
	15	25.7	27.7	29.6	31.5	33.4	35.3	37.2	39.1	41.0	42.9
	10	25.0	27.0	28.9	30.8	32.7	34.6	36.5	38.4	40.3	42.2
	5	23.4	25.4	27.3	29.2	31.1	33.0	34.9	36.8	38.7	40.6
6200	50	26.9	28.9	30.8	32.7	34.6	36.5	38.4	40.3	42.2	44.1
	25	26.0	28.0	29.9	31.8	33.7	35.6	37.5	39.4	41.3	43.2
	15	25.4	27.4	29.3	31.2	33.1	35.0	36.9	38.8	40.7	42.6
	10	24.7	26.7	28.6	30.5	32.4	34.3	36.2	38.1	40.0	41.9
	5	23.1	25.1	27.0	28.9	30.8	32.7	34.6	36.5	38.4	40.3
6100	50	26.5	28.5	30.4	32.3	34.2	36.1	38.0	40.0	41.9	43.8
	25	26.6	28.6	30.5	32.4	34.3	36.2	38.1	40.0	41.9	43.8
	15	25.9	27.9	29.8	31.7	33.6	35.5	37.4	39.3	41.2	43.1
	10	24.3	26.3	28.2	30.1	32.0	33.9	35.8	37.7	39.6	41.5
	5	22.8	24.7	26.6	28.5	30.4	32.3	34.2	36.1	38.0	39.9
6000	50	26.1	28.1	30.0	31.9	33.8	35.7	37.6	39.5	41.4	43.3
	25	26.2	28.2	30.1	32.0	33.9	35.8	37.7	39.6	41.5	43.4
	15	24.9	26.9	28.8	30.7	32.6	34.5	36.4	38.3	40.2	42.1
	10	24.0	26.0	27.9	29.8	31.7	33.6	35.5	37.4	39.3	41.2
	5	22.4	24.4	26.3	28.2	30.1	32.0	33.9	35.8	37.7	39.6

Now includes all intermediate Skid Heights!...

Great for sling load operations.

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This Handbook Features...

- Comprehensive Simplified PPC Data revolutionizes performance planning speed and accuracy. Complete your performance planning in a snap!

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- Integrated with other Pubs. The latest TM 55-1520-210-10 data are integrated with guidance from other publications i.e. AR 95-1, TC 1-211 and FAR's etc.

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The Author. The UH-1H/V Flight Handbook For U. S. Army Aviators was conceived and developed by an Independent Contractor, Aerospace Engineer with internationally recognized professional expertise in Flight Operations Engineering and he's a retired dual rated U.S. Army aviator.

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UH-1H/V (Metal MRB) T53-L-13B (6600 N2)		CRUISE		
85/90 KIAS CRUISE FLIGHT PLANNING DATA TABLE				
ISA				
Flight Distance n.m.	Pressure Altitude (ft)/FAT (°C)			
	500/+14	2000/+11	4000/+07	
	Time Fuel	Time Fuel	Time Fuel	
100	4+27 2500	4+22 2415	4+15 2305	
120	4+20 2440	4+15 2355	4+08 2250	
140	4+14 2380	4+09 2300	4+02 2200	
160	4+07 2320	4+02 2240	3+56 2145	
180	4+00 2260	3+56 2185	3+49 2090	
200	3+54 2200	3+49 2125	3+43 2035	
220	3+47 2140	3+43 2070	3+37 1980	
240	3+41 2075	3+36 2010	3+30 1925	
260	3+34 2015	3+30 1950	3+24 1870	
280	3+27 1955	3+23 1895	3+18 1815	
300	3+21 1895	3+17 1835	3+12 1760	
320	3+14 1835	3+10 1775	3+05 1700	
340	3+07 1775	3+04 1715	2+59 1645	
360	3+01 1710	2+57 1660	2+53 1590	
380	2+54 1650	2+51 1600	2+46 1535	
400	2+47 1590	2+44 1540	2+40 1480	
420	2+41 1530	2+38 1480	2+34 1420	
440	2+34 1465	2+31 1420	2+27 1365	
460	2+27 1405	2+25 1360	2+21 1310	
480	2+21 1340	2+18 1305	2+15 1255	
500	2+14 1280	2+12 1245	2+08 1195	
520	2+07 1220	2+05 1185	2+02 1140	
540	2+01 1155	3+59 1125	3+56 1080	
560	1+54 1095	1+52 1065	1+49 1025	
580	1+48 1030	1+46 1000	1+43 965	
600	1+41 965	1+39 940	1+37 910	
620	1+34 905	1+33 880	1+31 850	
640	1+28 840	1+26 820	1+24 795	
660	1+21 780	1+20 760	1+18 735	
680	1+14 715	1+13 700	1+12 675	
700	1+08 650	1+07 635	1+05 620	
720	1+01 585	1+00 575	0+59 560	
740	0+54 525	0+54 515	0+53 500	
760	0+48 460	0+47 450	0+46 440	
780	0+41 395	0+41 390	0+40 380	
800	0+34 330	0+34 330	0+34 320	
820	0+28 265	0+28 265	0+27 260	
840	0+21 200	0+21 205	0+21 200	
860	0+14 135	0+15 140	0+15 140	
880	0+08 70			

30 20 10 0 10 20 30
HDWD TLWD

Notes:

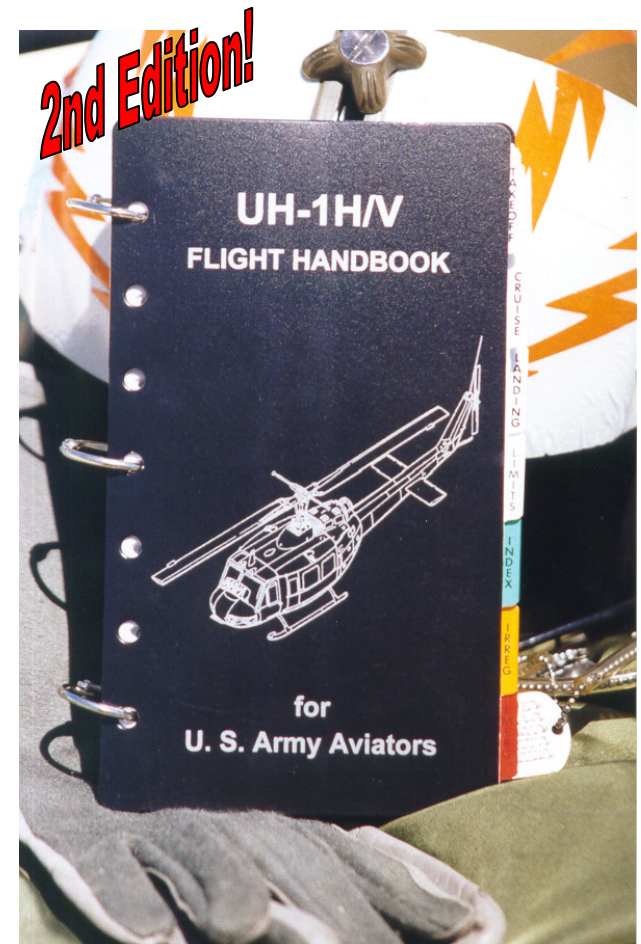
- These data are based on the following:
 - Speed schedule: Climb 75/80 KIAS (500 ft/min initially to 1000 ft, then 1000 ft/min), Cruise 85/90 KIAS, Descend 85/90 KIAS, 1000 ft/min to 2000 ft., then 500 ft/min to touchdown.
 - Takeoff Gross Weight: 9,500 lbs.
 - Full Fuel (JP-4): Main 1,342 lbs., Aux 1,950 lbs.
- Assumes takeoff to touchdown only. Determine taxi, delay, reserve or other time and fuel adjustments for your mission.

(TM 55-1520-210-10, MB Figures 7-6, Sheets 1-24, Change 2)

UH-1H/V Flight Handbook C-2

The **UH-1H/V Flight Handbook For U. S. Army Aviators** is jam-packed with more than 300 pages like this. Each page clearly indicates aircraft designation, powerplant and data basis. Printed in limited quantities.

(C130825-01 BWD)



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2nd Edition

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