

NO MORE PPC BLUES...

Completing the Performance Planning Card (PPC) can be time consuming and tedious, but not any more. The **UH-60L Blackhawk Aviator's WingNotes™** is a *Quick Reference Handbook and Performance Supplement* for Professional Aviator's operating the UH-60L Blackhawk (or commercial equivalent).

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

Hover Power Required data from TM 1-1520-237-10...

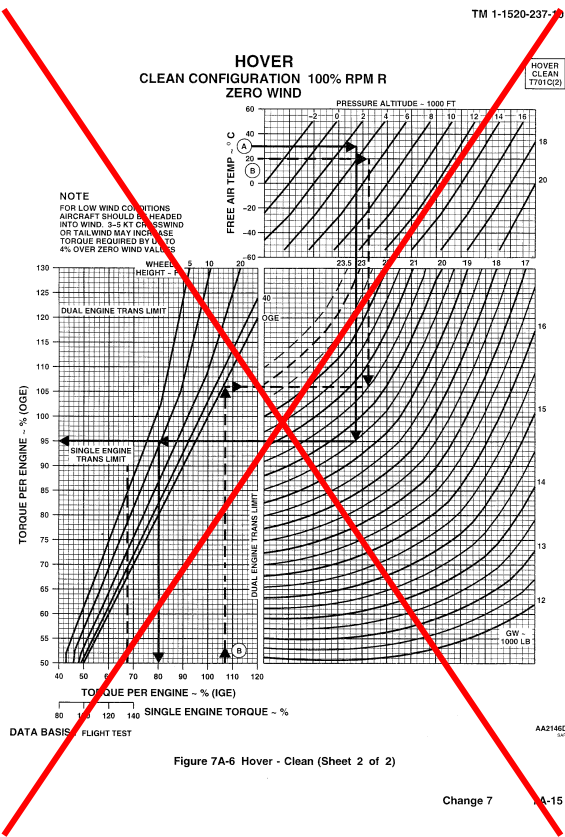


Figure 7A-6 Hover - Clean (Sheet 2 of 2)

The same data from the UH-60L Blackhawk Aviator's WingNotes™...

Includes OGE, IGE and intermediate Wheel Heights!

UH-60L CLEAN T700-GE-701C TAKEOFF

HOVER TORQUE REQUIRED (%)

Press. Altitude Range (ft. to ft.)	Free Air Temperature Ranges (°C to °C)										
9500 to 10000											-58
9000 to 9500											-59
8500 to 9000											-53
8000 to 8500											-47
7500 to 8000											-42
7000 to 7500											-38
6500 to 7000											-23
6000 to 6500											-16
5500 to 6000											-9
5000 to 5500											-2
4500 to 5000											4
4000 to 4500											11
3500 to 4000											18
3000 to 3500											25
2500 to 3000											31
2000 to 2500											37
1500 to 2000											43
1000 to 1500											50
500 to 1000											56
0 to 500											62
-500 to 0											68
-1000 to -500											74
-1500 to -1000											80
-2000 to -1500											86

Weight (lbs.)	Wheel Height (ft.)	70	80	90	100	110	120	130	140	150	160	170	180	190	200
23500	70	110.4	111.7	113.1	114.5	116.1	117.6	119.4	121.5	123.9	126.6	129.6	132.9	136.5	140.4
	40	108.8	108.1	109.4	110.8	112.3	113.8	115.5	117.5	119.8	122.4	125.3	128.5	132.0	135.8
	10	109.9	101.7	102.5	103.4	104.3	105.3	106.4	107.6	108.9	110.4	112.0	113.8	115.8	118.0
23250	70	108.7	110.0	111.2	112.6	114.1	115.6	117.3	119.2	121.3	123.6	126.1	128.8	131.7	134.8
	40	106.5	106.5	107.7	109.0	110.4	111.9	113.5	115.4	117.5	119.8	122.4	125.3	128.5	132.0
	10	99.8	100.7	101.4	102.3	103.2	104.1	105.1	106.1	107.2	108.4	109.7	111.1	112.6	114.2
23000	70	107.1	108.3	109.4	110.7	112.1	113.6	115.3	117.2	119.3	121.5	123.9	126.6	129.6	132.9
	40	103.7	104.8	105.9	107.1	108.5	110.0	111.6	113.4	115.4	117.7	120.2	122.9	125.8	128.9
	10	98.3	99.3	100.3	101.1	102.0	102.9	103.9	105.0	106.3	107.7	109.2	110.9	112.7	114.6
22750	70	101.1	102.6	104.1	105.7	107.4	109.2	111.1	113.2	115.5	118.0	120.7	123.6	126.6	129.8
	40	102.7	103.2	104.3	105.4	106.6	107.9	109.4	111.0	112.8	114.8	116.9	119.2	121.7	124.3
	10	89.1	89.8	90.3	90.9	91.6	92.3	93.0	93.8	94.7	95.6	96.6	97.7	98.8	100.0
22500	70	102.7	104.8	106.9	109.1	111.4	113.8	116.4	119.1	122.0	125.0	128.1	131.4	134.8	138.4
	40	98.3	98.6	99.5	100.1	100.9	101.8	102.7	103.7	104.9	106.2	107.6	109.1	110.7	112.4
	10	89.1	89.8	90.3	90.9	91.6	92.3	93.0	93.8	94.7	95.6	96.6	97.7	98.8	100.0
22250	70	100.3	101.4	102.4	103.5	104.6	105.8	107.1	108.5	110.0	111.6	113.3	115.1	117.0	119.0
	40	98.8	99.9	100.9	102.0	103.3	104.6	105.9	107.3	108.9	110.6	112.4	114.3	116.3	118.4
	10	83.7	84.7	85.7	86.7	87.7	88.7	89.7	90.7	91.7	92.7	93.6	94.6	95.6	96.6
22000	70	100.3	101.4	102.4	103.5	104.6	105.8	107.1	108.5	110.0	111.6	113.3	115.1	117.0	119.0
	40	97.2	98.2	99.3	100.3	101.4	102.7	104.1	105.4	107.0	108.6	110.3	112.1	114.0	116.0
	10	82.2	83.1	84.1	85.1	86.2	87.4	88.6	89.9	91.0	92.0	93.0	94.0	95.0	96.0
21750	70	98.7	99.7	100.8	101.9	103.1	104.3	105.6	107.0	108.5	110.1	111.7	113.4	115.2	117.0
	40	95.6	96.7	97.7	98.7	99.9	101.1	102.3	103.6	105.1	106.6	108.2	109.9	111.6	113.4
	10	80.7	81.7	82.6	83.6	84.7	85.8	87.0	88.2	89.4	90.6	91.8	93.0	94.2	95.4
21500	70	97.1	98.1	99.1	100.2	101.4	102.6	103.8	105.1	106.5	108.0	109.5	111.1	112.7	114.4
	40	94.1	95.1	96.1	97.1	98.3	99.4	100.6	101.8	103.2	104.6	106.2	107.8	109.4	111.1
	10	82.4	83.2	84.0	84.8	85.6	86.4	87.2	88.0	88.8	89.6	90.4	91.2	92.0	92.8
21250	70	95.7	96.6	97.5	98.5	99.6	100.7	101.9	103.1	104.4	105.7	107.1	108.5	110.0	111.5
	40	92.7	93.7	94.6	95.5	96.5	97.6	98.6	99.9	101.3	102.7	104.2	105.7	107.2	108.7
	10	81.2	82.0	82.7	83.5	84.4	85.3	86.2	87.2	88.4	89.5	90.6	91.7	92.8	93.9
21000	70	94.2	95.1	95.9	96.8	97.8	98.9	100.0	101.2	102.4	103.7	105.1	106.5	108.0	109.5
	40	91.4	92.2	93.0	93.9	94.8	95.8	96.9	98.1	99.4	100.8	102.3	103.8	105.3	106.8
	10	80.7	81.5	82.3	83.1	83.9	84.7	85.5	86.3	87.2	88.1	89.0	89.9	90.8	91.7

UH-60L WingNotes™

AA214BD T-22

Now includes all intermediate Skid Heights!...
Great for sling load operations.

Revised Checklists!...

This Handbook Features...

- Comprehensive Simplified PPC Data revolutionizes performance planning speed and accuracy. Complete your performance planning in a snap!
 - Logical Flow Diagram Procedures. Refresh your memory, work your planning and performance considerations step-by-step through a concise decision tree.
 - Integrated with other Pubs. The latest TM 1-1520-237-10 data are integrated with guidance from other publications i.e. AR 95-1, TC 1-211 and CFR's etc.
 - Tabbed Indices organize procedures and data the way you actually fly; TAKEOFF, CRUISE and LAND. Also provided are LIMITS/SPECIFICATIONS, IRREGULAR, EMERGENCY and ADDITIONAL Procedures and a PROCEDURAL INDEX.
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 - Covers are made of .055" thick durable black poly with silver imprint.
- The Author. The **UH-60L Blackhawk Aviator's WingNotes™** 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.

Professional Courtesy Order Form

UH-60L

T700-GE-701C

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MAXIMUM TORQUE AVAILABLE (30 Minute Limit)												
P. A. (ft.)	FREE AIR TEMPERATURE (C) / (F)											
	35	36	37	38	39	40	41	42	43	44	45	46
20000	59.1	59.6	60.0	60.4	60.9	61.0	61.1	61.1	60.6	59.7	58.8	
19500	60.4	60.9	61.3	61.7	62.1	62.4	62.6	62.6	62.0	61.1	60.1	
19000	61.7	62.2	62.6	63.0	63.4	63.8	64.0	64.0	63.4	62.5	61.5	
18500	63.0	63.5	63.9	64.3	64.7	65.2	65.5	65.5	64.9	64.0	62.9	
18000	64.4	64.8	65.2	65.6	66.1	66.6	66.9	67.0	66.3	65.4	64.3	
17500	65.8	66.2	66.7	67.1	67.5	68.1	68.4	68.5	67.8	66.9	65.8	
17000	67.1	67.6	68.1	68.5	69.0	69.6	70.0	70.0	69.3	68.4	67.3	
16500	68.5	69.0	69.5	70.0	70.5	71.1	71.5	71.5	70.9	69.9	68.8	
16000	69.9	70.4	70.9	71.5	72.0	72.6	73.0	73.0	72.4	71.4	70.3	
15500	71.4	72.0	72.5	73.0	73.5	74.1	74.5	74.5	73.9	72.9	71.8	
15000	72.9	73.5	74.0	74.5	75.0	75.6	76.0	76.0	75.5	74.5	73.4	
14500	74.4	75.0	75.5	76.0	76.5	77.1	77.5	77.5	77.1	76.1	75.0	
14000	75.9	76.5	77.0	77.5	78.0	78.6	79.0	79.0	78.5	77.5	76.4	
13500	77.4	78.0	78.5	79.0	79.7	80.3	80.7	80.7	80.3	79.4	78.3	
13000	78.9	79.6	80.2	80.8	81.4	81.9	82.4	82.5	82.0	81.1	80.0	
12500	80.3	81.1	81.8	82.4	83.0	83.6	84.0	84.2	83.7	82.8	81.7	
12000	81.8	82.6	83.4	84.0	84.7	85.2	85.7	85.7	85.4	84.5	83.3	
11500	83.3	84.1	84.9	85.7	86.4	87.0	87.5	87.7	87.2	86.3	85.2	
11000	85.1	85.9	86.7	87.4	88.1	88.7	89.2	89.4	88.9	88.1	87.0	
10500	86.7	87.6	88.4	89.1	89.9	90.5	90.9	91.2	90.5	89.7	88.6	
10000	88.3	89.2	90.0	90.8	91.6	92.2	92.7	92.9	92.5	91.8	90.7	
9500	90.0	90.9	91.7	92.5	93.3	94.0	94.5	94.7	94.4	93.6	92.6	
9000	91.6	92.6	93.4	94.2	95.0	95.8	96.3	96.6	96.3	95.5	94.5	
8500	93.3	94.3	95.2	96.0	96.8	97.6	98.2	98.4	98.2	97.4	96.3	
8000	94.9	96.0	96.9	97.7	98.5	99.4	100.0	100.3	100.1	99.3	98.2	
7500	96.9	97.9	98.8	99.6	100.5	101.3	101.9	102.2	102.0	101.3	100.2	
7000	98.0	99.0	100.0	101.0	102.0	103.0	103.8	104.1	104.0	103.3	102.3	
6500	100.8	101.7	102.6	103.4	104.3	105.1	105.7	106.1	106.0	105.3	104.3	
6000	102.8	103.6	104.5	105.3	106.2	107.0	107.6	108.0	107.9	107.3	106.3	
5500	104.7	105.5	106.4	107.3	108.2	109.0	109.7	110.1	110.0	109.4	108.4	
5000	106.5	107.4	108.4	109.3	110.2	111.1	111.8	112.3	112.2	111.5	110.4	
4500	108.4	109.3	110.4	111.4	112.2	113.1	113.9	114.4	114.3	113.6	112.4	
4000	110.3	111.2	112.2	113.4	114.3	115.2	116.0	116.5	116.4	115.7	114.5	
3500	112.4	113.3	114.4	115.4	116.3	117.2	118.0	118.6	118.5	117.8	116.6	
3000	114.5	115.4	116.5	117.5	118.4	119.2	120.0	120.6	120.6	119.9	118.7	
2500	116.6	117.6	118.5	119.5	120.5	121.4	122.1	122.6	122.6	122.0	120.8	
2000	118.7	119.7	120.6	121.6	122.5	123.4	124.2	124.6	124.7	124.2	123.0	
1500	120.9	121.8	122.9	123.8	124.8	125.7	126.5	127.0	127.1	126.5	125.1	
1000	123.1	124.1	125.1	126.1	127.0	127.9	128.6	129.0	129.1	128.4	127.0	
500	125.3	126.2	127.4	128.2	129.3	130.3	131.1	131.6	131.6	131.2	129.8	
0	127.4	128.4	129.6	130.8	131.5	132.6	133.4	134.0	134.1	133.6	132.1	

These data are based on:

- CABIN HEATER sw.....OFF
- ENG ANTI-ICE sw.....OFF

Legend:

Yellow	Values shown in this region are:
White	- DE TORQUE LIMIT ABOVE 80 KIAS 100%
Light Blue	- DE TRANSMISSION LIMIT 120%
Red	- SE TRANSMISSION LIMIT TORQUE 135%

TORQUE ADJUSTMENTS			
BLEED		BLEED	
ON	ADJUST	ON	ADJUST
CABIN HEATER sw	-4%	HIRSS Installed (Suppression Mode)	-1%
ENG ANTI-ICE sw	-18%		
BOTH sws	-22%		

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The **UH-60L Blackhawk Aviator's WingNotes™** is jam-packed with more than 300 pages like this. Each page clearly indicates aircraft designation, powerplant and data basis.

1st Edition!

UH-60L Blackhawk



Aviator's WingNotes™

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