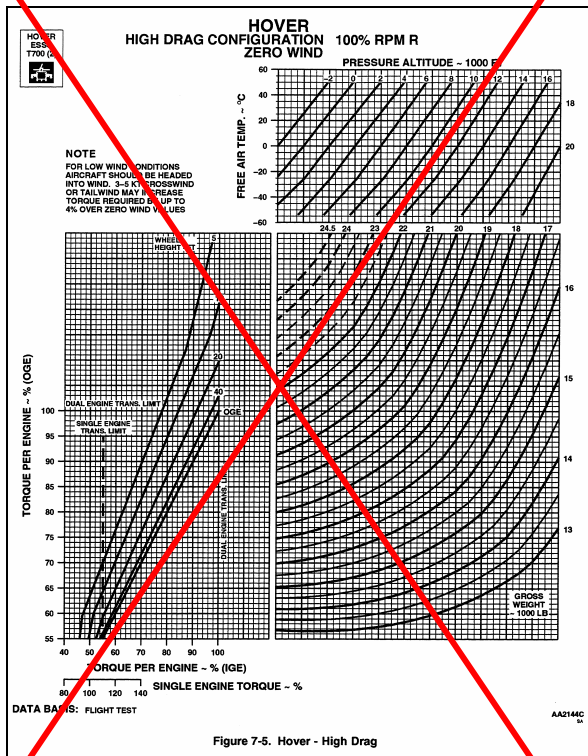


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Hover Power Required data from TM 1-1520-237-10...



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UH-60A/EH-60A HI-DRAG		T700-GE-700		TAKEOFF								
HOVER POWER (%)												
Press. Altitude Range (ft. to ft.)	Free Air Temperature Range (°C to °C)											
9500 to 10000					-58							
9000 to 9500					-56							
8500 to 9000					-54							
8000 to 8500					-52							
7500 to 8000					-50							
7000 to 7500					-48							
6500 to 7000					-46							
6000 to 6500					-44							
5500 to 6000					-42							
5000 to 5500					-40							
4500 to 5000					-38							
4000 to 4500					-36							
3500 to 4000					-34							
3000 to 3500					-32							
2500 to 3000					-30							
2000 to 2500					-28							
1500 to 2000					-26							
1000 to 1500					-24							
500 to 1000					-22							
0 to 500					-20							
-500 to 0					-18							
-1000 to -500					-16							
-1500 to -1000					-14							
-2000 to -1500					-12							
70	88.8	89.0	89.2	89.4	89.7	70.0	70.3	70.7	71.1	71.6	72.2	
15750	40	87.3	87.4	87.6	87.8	88.1	88.4	88.7	89.1	89.5	70.0	70.5
	20	85.3	85.5	85.8	86.1	86.4	86.7	87.1	87.5	87.9	68.6	69.3
	10	83.1	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	68.1	68.7
15500	70	87.7	87.8	88.0	88.2	88.4	88.7	89.0	89.4	89.8	70.2	70.7
	40	86.1	86.3	86.5	86.7	86.9	87.2	87.5	87.8	88.2	68.6	69.1
	20	82.3	82.4	82.6	82.8	83.0	83.2	83.5	83.8	84.2	64.8	65.0
	10	80.0	80.1	80.3	80.4	80.6	80.8	81.0	81.2	81.4	60.1	60.5
15250	70	86.5	86.8	87.0	87.2	87.4	87.7	88.0	88.4	88.8	68.3	68.3
	40	85.0	85.2	85.3	85.5	85.7	85.9	86.2	86.5	86.9	67.2	67.7
	20	81.3	81.4	81.5	81.7	81.9	82.1	82.3	82.6	82.9	63.3	63.7
	10	77.2	77.3	77.4	77.6	77.8	78.0	78.2	78.4	78.6	58.9	59.3
15000	70	85.4	85.5	85.6	85.7	85.9	86.1	86.4	86.7	87.0	67.4	67.8
	40	83.9	84.0	84.2	84.3	84.5	84.7	84.9	85.2	85.5	65.9	66.3
	20	80.2	80.3	80.4	80.6	80.7	80.9	81.1	81.4	81.7	62.0	62.4
	10	76.4	76.5	76.6	76.8	76.9	77.1	77.2	77.5	77.8	57.8	58.1
14750	70	84.3	84.4	84.6	84.7	84.9	85.1	85.4	85.7	86.0	66.4	66.4
	40	82.9	83.0	83.0	83.2	83.3	83.5	83.7	84.0	84.3	64.8	64.9
	20	79.2	79.3	79.4	79.5	79.7	79.8	80.0	80.2	80.5	60.8	61.2
	10	75.3	75.4	75.4	75.6	75.8	75.9	76.1	76.3	76.5	56.7	57.0
14500	70	83.1	83.2	83.3	83.4	83.5	83.7	83.9	84.1	84.4	64.7	65.0
	40	81.8	81.9	81.9	82.0	82.2	82.3	82.5	82.7	83.0	63.3	63.8
	20	78.2	78.3	78.4	78.5	78.6	78.7	78.9	79.1	79.3	59.6	59.9
	10	74.3	74.4	74.4	74.6	74.8	74.9	75.1	75.3	75.5	55.6	55.8
14250	70	82.0	82.1	82.1	82.2	82.3	82.4	82.6	82.8	83.0	63.3	63.8
	40	80.8	80.8	80.8	80.9	81.0	81.1	81.3	81.5	81.7	62.0	62.3
	20	77.3	77.3	77.3	77.4	77.5	77.6	77.8	78.0	78.2	58.4	58.7
	10	73.4	73.4	73.6	73.8	73.9	74.1	74.3	74.5	74.7	54.4	54.7
14000	70	80.9	80.8	81.0	81.0	81.1	81.2	81.3	81.5	81.7	61.8	62.2
	40	79.7	79.7	79.7	79.8	79.9	80.0	80.1	80.3	80.5	60.7	60.9
	20	76.2	76.3	76.3	76.4	76.5	76.6	76.8	76.9	77.0	57.2	57.4
	10	72.5	72.6	72.6	72.8	72.9	73.0	73.2	73.3	73.5	53.8	53.8
13750	70	79.9	79.9	79.9	80.0	80.0	80.1	80.2	80.3	80.5	60.7	60.9
	40	78.7	78.7	78.7	78.8	78.8	78.9	79.0	79.1	79.3	58.5	58.7
	20	75.2	75.3	75.3	75.4	75.5	75.5	75.6	75.7	75.9	54.1	54.3
	10	71.6	71.6	71.7	71.7	71.8	71.9	72.0	72.1	72.3	50.2	50.2
13500	70	78.8	78.8	78.8	78.8	78.9	78.9	79.0	79.1	79.3	58.4	58.7
	40	77.7	77.8	77.7	77.7	77.8	77.8	77.9	78.0	78.1	56.3	56.5
	20	74.5	74.5	74.5	74.6	74.6	74.7	74.7	74.8	74.9	52.0	52.1
	10	71.0	71.0	71.0	71.0	71.1	71.1	71.2	71.2	71.3	48.1	48.1
13250	70	77.8	77.7	77.7	77.7	77.8	77.8	77.9	77.9	78.0	56.2	56.4
	40	76.7	76.6	76.6	76.6	76.7	76.7	76.8	76.8	76.9	54.0	54.2
	20	73.8	73.8	73.8	73.8	73.8	73.9	73.9	74.0	74.1	50.7	50.7
	10	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.7	70.7	46.8	46.8
13000	70	76.7	76.6	76.6	76.6	76.7	76.7	76.8	76.8	76.9	54.0	54.2
	40	75.8	75.8	75.8	75.8	75.8	75.9	75.9	76.0	76.1	51.8	52.0
	20	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.3	48.4	48.4
	10	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.3	44.5	44.5

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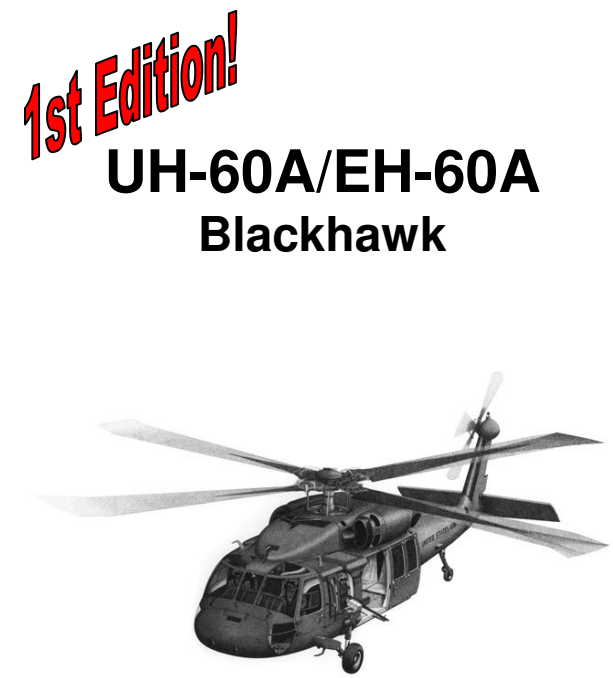
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P. A. (ft)	Parameters	GROSS WEIGHT (lbs)					
		17000	16000	15000	14000	13000	12000
20000	KIAS	43	48	53	52	51	
	KCAS/KTAS	50/71	54/77	59/84	58/83	57/81	
	Torque (%)	84.2	48.8	39.4	34.7	30.0	
	dQ(%) / 10 ft ²	1.0	1.2	1.4	1.4	1.3	
	lbs / hr	838	881	595	514	467	
+24F	nam / 100 lb	8.6	11.4	14.9	15.1	17.5	
19000	KIAS	47	51	54	53	52	
	KCAS/KTAS	54/75	57/79	60/84	59/82	58/81	
	Torque (%)	54.0	45.0	37.9	33.7	28.5	
	dQ(%) / 10 ft ²	0.8	0.8	0.9	0.9	0.6	
	lbs / hr	758	845	554	511	469	
+27F	nam / 100 lb	10.0	12.4	15.2	16.2	17.4	
18000	KIAS	52	54	55	54	53	
	KCAS/KTAS	58/79	59/82	61/84	60/82	59/80	
	Torque (%)	49.7	43.0	36.3	32.7	29.1	
	dQ(%) / 10 ft ²	0.7	0.7	0.7	0.7	0.7	
	lbs / hr	694	614	543	507	470	
+31F	nam / 100 lb	11.5	13.4	15.5	16.3	17.2	
17000	KIAS	54	55	56	55	53	
	KCAS/KTAS	60/81	61/82	62/83	60/82	59/80	
	Torque (%)	46.9	41.3	35.7	32.3	28.8	
	dQ(%) / 10 ft ²	2.4	2.4	2.5	2.4	2.3	
	lbs / hr	661	600	542	509	475	
+34F	nam / 100 lb	12.4	13.8	15.5	16.1	16.9	
16000	KIAS	53	58	57	55	54	
	KCAS/KTAS	59/78	63/84	63/83	62/83	61/81	60/79
	Torque (%)	52.5	44.0	39.6	35.2	32.0	28.9
	dQ(%) / 10 ft ²	2.6	2.9	2.9	2.9	2.8	2.6
	lbs / hr	729	632	587	544	513	482
+38F	nam / 100 lb	10.8	13.4	14.3	15.4	15.9	16.6
15000	KIAS	56	59	58	57	56	54
	KCAS/KTAS	62/81	64/84	63/83	63/82	61/80	60/79
	Torque (%)	50.0	42.7	38.8	34.8	31.7	28.0
	dQ(%) / 10 ft ²	2.0	2.2	2.1	2.1	2.0	1.9
	lbs / hr	708	626	569	549	518	487
+42F	nam / 100 lb	11.6	13.5	14.2	15.1	15.8	16.2
14000	KIAS	59	60	59	58	56	55
	KCAS/KTAS	65/83	65/84	64/82	63/81	62/80	61/78
	Torque (%)	47.1	41.3	37.8	34.3	31.3	28.3
	dQ(%) / 10 ft ²	1.6	1.6	1.5	1.5	1.4	1.4
	lbs / hr	677	618	564	550	521	492
+45F	nam / 100 lb	12.4	13.6	14.2	14.8	15.4	16
13000	KIAS	60	60	59	58	57	56
	KCAS/KTAS	65/83	65/83	64/81	63/80	62/79	61/78
	Torque (%)	45.5	40.5	37.2	33.9	31.2	28.5
	dQ(%) / 10 ft ²	1.7	1.7	1.5	1.6	1.5	1.5
	lbs / hr	667	618	568	555	529	503
+49F	nam / 100 lb	12.5	13.4	14.0	14.6	15.1	15.6
12000	KIAS	61	61	60	59	58	57
	KCAS/KTAS	66/83	66/82	65/81	64/80	63/78	62/77
	Torque (%)	43.8	39.7	36.6	33.6	31.2	28.7
	dQ(%) / 10 ft ²	1.8	1.9	1.7	1.8	1.5	1.4
	lbs / hr	657	618	569	560	536	513
+52F	nam / 100 lb	12.6	13.3	13.8	14.3	14.7	15.2
11000	KIAS	63	62	61	59	58	56
	KCAS/KTAS	68/83	67/82	66/80	64/79	63/77	62/76
	Torque (%)	43.1	36.3	36.4	33.4	31.1	28.7
	dQ(%) / 10 ft ²	1.7	1.6	1.6	1.5	1.4	1.4
	lbs / hr	660	623	598	599	546	524
+56F	nam / lb	12.6	13.2	13.6	14.0	14.2	14.5
10000	KIAS	64	63	61	60	58	56
	KCAS/KTAS	69/83	68/82	66/80	65/78	63/76	62/74
	Torque (%)	42.3	38.9	36.1	33.3	31.0	28.6
	dQ(%) / 10 ft ²	1.8	1.5	1.4	1.3	1.3	1.3
	lbs / hr	662	629	603	578	556	535
+59F	nam / 100 lb	12.6	13.1	13.4	13.7	13.8	14.0

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