

HondaJet Elite Specifications

General Specifications

Seating	1 + 5/7
Range (NBAA IFR 100 nm Fuel Reserves, 1 pilot + 3 pax)	1,437 nm
Takeoff Distance (Sea Level, ISA, MTOW)	3,491 ft
Landing Distance (Sea Level, ISA, MLW)	2,762 ft
Aircraft Dimensions	
Length	42.6 ft
Height	14.9 ft
Span	39.8 ft
Interior Dimensions	
Length	12.1 ft
Height	4.8 ft
Width	5.0 ft
Baggage Volume	66 cu. Ft.
Engines	2 x GE Honda HF120
Thrust (Each)	2,050 lb
TBO	5,000 hr
Service Ceiling	43,000 ft
Maximum Cruise Speed	422 KTAS
Avionics Suite	Garmin G3000
Certification Basis	FAR Part 23

Mission Profiles

300 nm Mission	
Flight Time	0:51
Fuel Used	650 lb
Altitude (FL)	FL390
600 nm Mission	
Flight Time	1:35
Fuel Used	1,231 lb
Altitude (FL)	FL390
1,000 nm Mission	
Flight Time	2:42
Fuel Used	1,787 lb
Altitude (FL)	FL430

Direct Operating Costs

Fuel	\$430.95
Maintenance (Parts & Labor)	\$277.29
Engine Reserves	\$284.18
Cost per Hour	\$992.42
Cost per Nautical Mile	\$2.70/nm

Assumptions:

Mission Profiles:

- Standard Aircraft, ISA
- 1 Pilot + 3 Passengers, NBAA IFR 100 nm Alternate Fuel Reserves.
- Sea Level Departure and Arrival
- High Speed Cruise

Direct Operating Costs:

- Fuel Price - \$4.00/ US Gallon
- Airframe Maintenance (Parts & Labor) - FlightReady P3
 - Assumes Annual Utilization of 300 hours / 300 cycles
 - 5 Year Average Rate
- Engine Reserves – GE Honda EMC² Engine Program

Note: This performance is for indicative purposes and in no way constitute a guarantee or any other contractual commitment on the part of Honda Aircraft Company. This information MUST NOT be used for operational purposes.

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HONDA

HondaJet

Uncorrected Takeoff Field Length [feet] - Dry Runway, Zero Slope, No Wind, Flaps TO/APPR, Ice Protection Off																								
ALT [FT]	WT [LB]	TEMPERATURE [°C]											ALT [FT]	WT [LB]	TEMPERATURE [°C]									
		-40	10	15	20	25	30	35	40	45	50	55			-40	10	15	20	25	30	35	40	45	
-1000	8000	2677	3144	3190	3237	3283	3349	3435	3533	3648	3894	4210	5000	8000	3281	3874	3935	4055	4193	4422	4736	5080	5455	
	8500	2694	3168	3215	3262	3309	3380	3475	3581	3759	4059	4380		8500	3319	3923	3985	4115	4301	4614	4933	5286	5674	
	9000	2717	3198	3245	3293	3341	3417	3519	3639	3917	4220	4548		9000	3363	3978	4041	4182	4485	4802	5128	5493	5889	
	9500	2743	3232	3280	3329	3377	3458	3568	3788	4070	4379	4714		9500	3421	4037	4102	4351	4663	4985	5322	5694	6108	
	10000	2773	3270	3320	3369	3418	3503	3675	3935	4219	4537	4879		10000	3557	4167	4234	4522	4839	5169	5513	5898	6326	
	10500	2811	3312	3362	3412	3462	3573	3815	4077	4369	4698	5123		10500	3690	4325	4396	4690	5011	5374	5791	6266	6793	
	10700	2854	3333	3380	3430	3480	3628	3870	4134	4478	4873	5315		10700	3742	4388	4459	4777	5166	5576	6011	6496	7048	
Sea Level	8000	2758	3242	3290	3338	3387	3470	3564	3673	3823	4138	4472	6000	8000	3404	4028	4115	4251	4438	4763	5106	5480		
	8500	2777	3268	3317	3365	3414	3506	3609	3728	3990	4311	4651		8500	3447	4083	4174	4322	4633	4964	5315	5699		
	9000	2801	3300	3349	3399	3448	3547	3659	3859	4154	4477	4828		9000	3495	4143	4240	4504	4825	5162	5521	5919		
	9500	2830	3336	3386	3436	3487	3594	3733	4014	4313	4644	5003		9500	3592	4225	4378	4685	5012	5357	5727	6137		
	10000	2862	3377	3428	3478	3530	3644	3881	4166	4469	4810	5178		10000	3734	4394	4552	4864	5197	5553	5930	6355		
	10500	2905	3420	3472	3524	3576	3769	4026	4316	4624	5019	5479		10500	3872	4561	4721	5039	5396	5824	6287	6810		
1000	10700	2950	3442	3491	3543	3596	3825	4084	4397	4775	5205	5687	10700	3927	4625	4803	5186	5597	6045	6523	7068			
	8000	2851	3354	3404	3454	3518	3612	3719	3841	4103	4434		7000	8000	3535	4191	4312	4464	4787	5135	5504	5917		
	8500	2874	3384	3434	3485	3553	3656	3772	3966	4277	4613	8500		3582	4252	4382	4653	4991	5347	5724	6153			
	9000	2901	3419	3471	3523	3594	3706	3847	4132	4446	4792	9000		3635	4320	4527	4848	5193	5556	5946	6388			
	9500	2933	3460	3512	3565	3640	3760	4005	4294	4614	4967	9500		3773	4459	4711	5040	5390	5765	6166	6626			
	10000	2969	3504	3558	3611	3690	3888	4160	4453	4781	5141	10000		3918	4635	4893	5225	5586	5972	6385	6863			
	10500	3049	3555	3606	3661	3781	4036	4311	4610	4965	5410	10500		4063	4806	5071	5417	5850	6319	6829	7421			
10700	3095	3610	3660	3711	3838	4095	4375	4741	5151	5611	10700	4118		4897	5209	5619	6070	6558	7083	7701				
2000	8000	2949	3472	3524	3576	3663	3770	3891	4078	4397	4747		8000	8000	3672	4374	4528	4810	5163	5536	5936			
	8500	2975	3506	3559	3612	3706	3823	3960	4255	4579	4937	8500		3725	4444	4681	5016	5379	5762	6172				
	9000	3007	3546	3600	3653	3755	3881	4130	4428	4758	5126	9000		3804	4551	4879	5222	5591	5986	6411				
	9500	3042	3590	3645	3700	3808	4013	4295	4596	4938	5317	9500		3960	4740	5073	5423	5802	6207	6649				
	10000	3082	3639	3695	3750	3900	4170	4457	4764	5111	5502	10000		4113	4922	5262	5620	6010	6432	6888				
	10500	3195	3727	3780	3833	4051	4325	4615	4930	5354	5835	10500		4262	5103	5449	5876	6349	6864	7433				
	10700	3242	3783	3838	3892	4110	4385	4729	5115	5553	6056	10700		4333	5234	5652	6099	6592	7123	7715				
3000	8000	3053	3597	3652	3715	3823	3944	4081	4380	4713			9000	8000	3817	4591	4844	5193	5570	5976	6419			
	8500	3084	3636	3691	3757	3874	4006	4262	4564	4904	8500	3875		4709	5055	5410	5798	6217	6676					
	9000	3119	3680	3736	3804	3931	4145	4438	4745	5095	9000	3996		4910	5261	5625	6024	6454	6937					
	9500	3158	3729	3787	3857	4027	4314	4610	4924	5285	9500	4157		5106	5465	5840	6250	6695	7192					
	10000	3228	3783	3841	3914	4188	4478	4780	5102	5472	10000	4316		5300	5666	6050	6476	6934	7473					
	10500	3352	3911	3967	4063	4344	4639	4949	5324	5778	10500	4472		5488	5921	6383	6900	7464	8104					
	10700	3400	3969	4026	4123	4406	4746	5119	5522	5990	10700	4568		5687	6142	6622	7161	7747	8418					
4000	8000	3164	3731	3788	3876	3998	4134	4397	4714	5058			10000	8000	3974	4884	5232	5604	6020	6459	6947			
	8500	3198	3774	3832	3927	4059	4282	4585	4910	5265	8500	4038		5098	5454	5836	6265	6717	7235					
	9000	3238	3823	3883	3983	4161	4460	4770	5102	5465	9000	4206		5310	5673	6064	6507	6979	7513					
	9500	3281	3877	3938	4045	4332	4636	4952	5294	5666	9500	4375		5517	5889	6293	6752	7239	7820					
	10000	3388	3957	4015	4204	4499	4810	5130	5483	5868	10000	4539		5722	6102	6520	6992	7501	8157					
	10500	3516	4110	4172	4363	4663	4979	5344	5771	6244	10500	4703		5971	6430	6938	7523	8142	8866					
	10700	3567	4171	4233	4426	4760	5142	5543	5988	6480	10700	4829		6196	6673	7202	7802	8455	9225					

ELT_TOFL_TO_0_01

Uncorrected Takeoff Decision Speed V_1 [KIAS] - Dry Runway, Zero Slope, No Wind, Flaps TO/APPR, Ice Protection Off

ALT [FT]	WT [LB]	TEMPERATURE [°C]											ALT [FT]	WT [LB]	TEMPERATURE [°C]										
		-40	10	15	20	25	30	35	40	45	50	55			-40	10	15	20	25	30	35	40	45		
-1000	8000	106	106	105	105	105	105	105	104	104	105	106	5000	8000	105	104	104	104	103	104	105	106	107	108	
	8500	106	105	105	105	105	105	104	104	104	106	107		8500	104	104	104	104	104	105	106	107	108	108	
	9000	105	105	105	105	105	104	104	104	105	106	107		9000	104	104	104	103	105	106	107	107	108	108	
	9500	105	105	105	104	104	104	104	105	106	107	108		9500	104	104	103	104	105	106	107	108	108	108	
	10000	105	104	104	104	104	104	104	106	107	108	108		10000	105	104	104	105	106	107	108	108	108	108	
	10500	105	104	104	104	104	104	105	106	107	108	109		10500	106	105	105	106	107	108	109	110	111	111	
	10700	105	104	104	104	104	104	106	107	108	109	111		10700	106	105	105	106	108	109	110	111	111	112	
Sea Level	8000	106	105	105	105	105	105	104	104	104	105	107	6000	8000	104	104	104	104	104	105	106	107	107		
	8500	105	105	105	105	105	105	104	104	104	105	106		8500	104	104	104	104	103	105	106	107	107		
	9000	105	105	105	105	105	104	104	104	106	107	108		9000	104	104	103	104	105	106	107	108	108		
	9500	105	104	104	104	104	104	104	105	106	107	108		9500	104	103	104	105	106	107	108	108	108		
	10000	105	104	104	104	104	104	105	106	107	108	108		10000	105	104	105	106	107	107	108	108	108		
	10500	104	104	104	104	104	105	106	107	108	109	110		10500	106	105	106	106	107	109	109	110	110		
	10700	105	104	104	104	104	105	106	107	109	110	111		10700	106	106	106	107	109	110	111	111	111		
1000	8000	106	105	105	105	105	104	104	104	105	106		7000	8000	104	104	104	103	105	106	107	107			
	8500	105	105	105	105	105	104	104	104	106	107			8500	104	104	103	104	105	106	107	108	108		
	9000	105	105	104	104	104	104	104	105	106	107			9000	104	103	104	105	106	107	108	108	108		
	9500	105	104	104	104	104	104	105	106	107	108			9500	105	104	105	106	107	107	108	108	108		
	10000	104	104	104	104	104	104	106	107	107	108			10000	105	105	106	106	107	108	108	108	109		
	10500	105	104	104	104	104	105	106	107	108	109			10500	106	106	106	107	108	109	110	111	111		
	10700	105	104	104	104	104	106	107	108	109	111			10700	107	106	107	108	110	110	111	111	112		
2000	8000	105	105	105	105	105	104	104	104	105	107		8000	8000	104	104	103	104	105	106	107				
	8500	105	105	105	105	104	104	104	105	106	107			8500	104	103	104	105	106	107	107	107			
	9000	105	104	104	104	104	104	105	106	107	108			9000	104	103	105	106	107	107	108	108			
	9500	104	104	104	104	104	104	105	106	107	108			9500	105	104	106	106	107	108	108	108			
	10000	104	104	104	104	104	105	106	107	108	108			10000	106	105	106	107	108	108	108	108			
	10500	105	104	104	104	105	106	107	108	109	110			10500	106	106	107	108	109	110	111	111			
	10700	105	104	104	104	105	106	108	109	110	111			10700	107	107	108	109	110	111	111	112			
3000	8000	105	105	105	105	104	104	103	105	106			9000	8000	104	103	104	105	106	107	108				
	8500	105	104	104	104	104	104	104	106	107				8500	104	103	105	106	107	107	108	108			
	9000	104	104	104	104	104	104	105	106	107				9000	104	104	105	106	107	108	108	108			
	9500	104	104	104	104	104	105	106	107	108				9500	105	105	106	107	108	108	108	108			
	10000	104	104	104	104	105	106	107	107	108				10000	106	106	107	107	108	108	108	109			
	10500	105	104	104	104	106	107	107	108	109				10500	107	107	108	109	110	110	111	111			
	10700	106	105	105	105	106	107	109	110	111				10700	107	108	109	110	111	112	112	112			
4000	8000	105	104	104	104	104	103	104	106	107			10000	8000	104	103	105	106	107	107	108				
	8500	105	104	104	104	104	104	105	106	107				8500	103	104	105	106	107	108	108	108			
	9000	104	104	104	104	104	105	106	107	108				9000	104	105	106	107	107	108	108	108			
	9500	104	104	104	103	105	106	107	107	108				9500	105	106	107	107	108	108	109	109			
	10000	105	104	104	104	106	106	107	108	108				10000	106	106	107	108	108	108	108	109			
	10500	106	105	105	105	106	107	108	109	110				10500	107	107	108	109	110	111	111	111			
	10700	106	105	105	106	107	108	109	110	111				10700	108	109	110	111	111	112	113	113			

ELT_V1_TO_0.01

Honda Aircraft Company

HA-420
POM

FLIGHT
PLANNING

Time, Distance, and Fuel to Climb*							
ISA		210 KCAS / Mach 0.57 No Wind, Ice Protection Off					
		Takeoff Weight [lb]					
Altitude [ft]		8500	9000	9500	10000	10500	10700
43000	Time [min]	15.5	16.9	18.6	20.6	23.0	24.1
	Dist [nm]	77	84	93	103	115	121
	Fuel[lb]	299	324	351	383	420	437
41000	Time [min]	13.7	14.8	16.0	17.4	18.9	19.6
	Dist [nm]	67	72	79	86	93	97
	Fuel[lb]	279	300	323	348	376	389
39000	Time [min]	12.3	13.3	14.3	15.3	16.5	17.1
	Dist [nm]	60	64	69	74	80	83
	Fuel[lb]	263	282	302	323	347	357
37000	Time [min]	11.2	12.0	12.9	13.8	14.8	15.2
	Dist [nm]	53	57	62	66	71	73
	Fuel[lb]	247	265	283	303	323	332
35000	Time [min]	10.3	11.0	11.8	12.6	13.5	13.8
	Dist [nm]	48	52	55	59	64	65
	Fuel[lb]	233	249	266	284	303	311
33000	Time [min]	9.5	10.1	10.8	11.6	12.3	12.7
	Dist [nm]	44	47	50	54	57	59
	Fuel[lb]	220	235	251	267	285	293
31000	Time [min]	8.8	9.4	10.0	10.6	11.4	11.7
	Dist [nm]	40	43	46	49	52	53
	Fuel[lb]	208	222	236	251	268	275
29000	Time [min]	8.0	8.5	9.1	9.7	10.3	10.6
	Dist [nm]	36	38	41	43	46	48
	Fuel[lb]	194	206	219	234	249	255
25000	Time [min]	6.7	7.1	7.5	8.0	8.5	8.7
	Dist [nm]	29	30	32	34	37	38
	Fuel[lb]	166	176	187	199	212	217
20000	Time [min]	5.2	5.5	5.8	6.1	6.5	6.7
	Dist [nm]	21	23	24	25	27	28
	Fuel[lb]	134	142	150	159	169	173
15000	Time [min]	3.7	3.9	4.1	4.3	4.6	4.7
	Dist [nm]	14	15	16	17	18	18
	Fuel[lb]	101	107	112	119	125	128
10000	Time [min]	2.3	2.4	2.6	2.7	2.9	2.9
	Dist [nm]	9	9	10	10	11	11
	Fuel[lb]	67	71	75	79	83	85

* Based on Climb Starting from Sea Level.

ELITE_TDF_CLB_ISA_0_01

HJ1-29001-005-001

March 31, 2018

2-7

Honda Aircraft Company

HA-420
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FLIGHT
PLANNING

Long Range Cruise							
ISA		Flaps UP Ice Protection Off					
Altitude [ft]		Cruise Weight [lb]					
		8000	8500	9000	9500	10000	10500
43000	KTAS [kts]	347	353	357	359	363	366
	Mach [---]	0.606	0.615	0.622	0.627	0.633	0.638
	Fuel Flow [lb/hr]	484	511	535	559	584	609
41000	KTAS [kts]	337	343	350	355	358	360
	Mach [---]	0.587	0.598	0.611	0.619	0.624	0.627
	Fuel Flow [lb/hr]	484	509	540	566	588	611
39000	KTAS [kts]	329	333	338	345	352	356
	Mach [---]	0.574	0.581	0.589	0.602	0.613	0.620
	Fuel Flow [lb/hr]	495	514	535	565	596	621
37000	KTAS [kts]	326	328	331	335	339	346
	Mach [---]	0.568	0.572	0.577	0.584	0.591	0.603
	Fuel Flow [lb/hr]	515	531	548	567	588	619
35000	KTAS [kts]	321	324	328	331	334	337
	Mach [---]	0.557	0.563	0.568	0.574	0.579	0.585
	Fuel Flow [lb/hr]	533	552	570	588	606	624
33000	KTAS [kts]	313	319	323	326	329	332
	Mach [---]	0.538	0.548	0.555	0.560	0.566	0.571
	Fuel Flow [lb/hr]	536	559	578	597	617	636
31000	KTAS [kts]	301	309	316	321	324	327
	Mach [---]	0.512	0.526	0.538	0.547	0.553	0.558
	Fuel Flow [lb/hr]	535	565	592	614	635	655
29000	KTAS [kts]	291	298	306	313	319	323
	Mach [---]	0.491	0.504	0.517	0.530	0.539	0.546
	Fuel Flow [lb/hr]	535	566	597	627	652	674
25000	KTAS [kts]	272	279	286	294	301	310
	Mach [---]	0.452	0.464	0.476	0.488	0.501	0.514
	Fuel Flow [lb/hr]	542	573	604	637	673	708
20000	KTAS [kts]	250	259	265	269	274	278
	Mach [---]	0.407	0.421	0.431	0.439	0.446	0.453
	Fuel Flow [lb/hr]	548	585	617	644	672	700
15000	KTAS [kts]	205	213	227	241	252	259
	Mach [---]	0.327	0.341	0.363	0.385	0.402	0.414
	Fuel Flow [lb/hr]	484	520	573	625	669	709
10000	KTAS [kts]	195	201	206	211	218	225
	Mach [---]	0.306	0.315	0.322	0.331	0.341	0.352
	Fuel Flow [lb/hr]	528	553	581	610	641	675

ELITE_LRC_ISA_0_01

HJ1-29001-005-001

March 31, 2018

2-15

Honda Aircraft Company

HA-420
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FLIGHT
PLANNING

High Speed Cruise							
ISA		Flaps UP Ice Protection Off					
Altitude [ft]		Cruise Weight [lb]					
		8000	8500	9000	9500	10000	10500
43000	KTAS [kts]	404	397	392	386	381	375
	Mach [---]	0.704	0.693	0.683	0.673	0.664	0.653
	Fuel Flow [lb/hr]	642	640	638	637	635	634
41000	KTAS [kts]	413	413	408	403	398	393
	Mach [---]	0.720	0.720	0.712	0.702	0.694	0.685
	Fuel Flow [lb/hr]	713	724	725	724	723	722
39000	KTAS [kts]	413	413	413	413	412	407
	Mach [---]	0.720	0.720	0.720	0.720	0.718	0.709
	Fuel Flow [lb/hr]	767	773	780	796	812	810
37000	KTAS [kts]	413	413	413	413	413	413
	Mach [---]	0.720	0.720	0.720	0.720	0.720	0.720
	Fuel Flow [lb/hr]	829	835	842	848	856	874
35000	KTAS [kts]	415	415	415	415	415	415
	Mach [---]	0.720	0.720	0.720	0.720	0.720	0.720
	Fuel Flow [lb/hr]	902	909	916	923	929	936
33000	KTAS [kts]	419	419	419	419	419	419
	Mach [---]	0.720	0.720	0.720	0.720	0.720	0.720
	Fuel Flow [lb/hr]	975	984	991	998	1005	1011
31000	KTAS [kts]	422	422	422	422	422	422
	Mach [---]	0.720	0.720	0.720	0.720	0.720	0.720
	Fuel Flow [lb/hr]	1063	1072	1081	1089	1096	1102
29000	KTAS [kts]	416	416	416	416	416	416
	Mach [---]	0.703	0.703	0.703	0.703	0.703	0.703
	Fuel Flow [lb/hr]	1087	1096	1104	1112	1120	1128
25000	KTAS [kts]	391	391	391	391	391	391
	Mach [---]	0.649	0.649	0.649	0.649	0.649	0.649
	Fuel Flow [lb/hr]	1038	1049	1059	1068	1075	1082
20000	KTAS [kts]	362	362	362	362	362	362
	Mach [---]	0.589	0.589	0.589	0.589	0.589	0.589
	Fuel Flow [lb/hr]	1030	1034	1044	1054	1064	1074
15000	KTAS [kts]	335	335	335	335	335	335
	Mach [---]	0.535	0.535	0.535	0.535	0.535	0.535
	Fuel Flow [lb/hr]	1196	1139	1108	1077	1056	1066
10000	KTAS [kts]	311	311	311	311	311	311
	Mach [---]	0.488	0.488	0.488	0.488	0.488	0.488
	Fuel Flow [lb/hr]	1356	1302	1262	1226	1189	1158

ELITE_HSC_ISA_0_01

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Honda Aircraft Company

HA-420
POM

FLIGHT
PLANNING

Time, Distance, and Fuel to Descend to SL							
ISA		Flaps UP, No Wind, Ice Protection Off					
		Profile: ECON 200 / 0.60 / -3.0°			2,000 FPM Thrust: Flight Idle		
		Descent Weight [lb]			Descent Weight [lb]		
Altitude [ft]		8000	9000	10000	8000	9000	10000
43000	Time [min]	30.2	30.2	30.2	21.6	21.6	21.6
	Dist [nm]	136	136	136	93	95	96
	Fuel[lb]	195	185	178	67	67	67
41000	Time [min]	29.1	29.1	29.1	20.6	20.6	20.6
	Dist [nm]	130	130	130	87	89	90
	Fuel[lb]	190	180	173	64	64	64
39000	Time [min]	28.0	28.0	28.0	19.6	19.5	19.6
	Dist [nm]	124	124	124	81	83	85
	Fuel[lb]	185	175	169	61	61	61
37000	Time [min]	26.9	26.9	26.9	18.6	18.5	18.6
	Dist [nm]	117	117	117	76	78	79
	Fuel[lb]	179	170	163	58	58	58
35000	Time [min]	25.8	25.8	25.8	17.6	17.5	17.5
	Dist [nm]	111	111	111	71	72	74
	Fuel[lb]	173	164	157	55	55	55
33000	Time [min]	24.7	24.7	24.7	16.5	16.5	16.5
	Dist [nm]	105	105	105	66	67	69
	Fuel[lb]	167	158	151	52	52	52
31000	Time [min]	23.5	23.5	23.5	15.5	15.5	15.5
	Dist [nm]	98	98	98	61	62	64
	Fuel[lb]	160	152	146	49	49	49
29000	Time [min]	22.3	22.3	22.3	14.5	14.5	14.5
	Dist [nm]	92	92	92	56	57	59
	Fuel[lb]	154	145	140	46	46	46
25000	Time [min]	19.8	19.8	19.8	12.5	12.5	12.5
	Dist [nm]	79	79	79	47	48	49
	Fuel[lb]	140	132	126	40	40	40
20000	Time [min]	16.5	16.5	16.5	10.0	10.0	10.0
	Dist [nm]	63	63	63	36	37	38
	Fuel[lb]	120	112	107	32	32	32
15000	Time [min]	12.8	12.8	12.8	7.5	7.5	7.5
	Dist [nm]	48	48	48	26	27	28
	Fuel[lb]	97	91	86	25	25	24
10000	Time [min]	8.8	8.8	8.8	5.0	5.0	5.0
	Dist [nm]	32	32	32	17	18	18
	Fuel[lb]	69	65	62	17	17	17

ELITE_TDF_DES2_ISA_0_02

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Honda Aircraft Company

HA-420
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FLIGHT
PLANNING

Holding Fuel Burn, Fuel Flow [lbs/hr]							
140 KCAS, Flaps UP							
Ice Protection Off							
TEMP [°C]	ALT [ft]	Weight [lbs]					
		8000	8500	9000	9500	10000	10500
ISA-10	25000	419	441	464	489	517	544
	20000	422	442	463	487	510	534
	15000	404	419	439	459	482	514
	10000	435	449	463	478	493	509
	5000	465	480	495	510	525	540
	1500	493	508	524	540	555	571
ISA	25000	430	453	477	503	531	560
	20000	433	454	475	500	524	549
	15000	415	430	451	471	494	528
	10000	446	460	475	490	505	522
	5000	476	491	507	522	538	553
	1500	505	521	537	553	569	585
ISA+10	25000	442	464	489	515	544	575
	20000	442	463	488	515	542	570
	15000	426	442	463	484	508	542
	10000	459	473	488	504	519	536
	5000	488	504	520	535	551	567
	1500	517	534	550	567	583	600
ISA+20	25000	454	478	506	535	566	596
	20000	447	474	501	529	557	585
	15000	439	456	478	500	524	557
	10000	471	485	501	516	532	550
	5000	500	516	532	548	564	581
	1500	529	546	563	580	597	614

ELITE_HLD_140_ALL-TEMPS_0_01

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Honda Aircraft Company

HA-420
POM

FLIGHT
PLANNING

Holding Fuel Burn, Fuel Flow [lbs/hr]							
180 KCAS, Flaps UP							
Ice Protection Off							
TEMP [°C]	ALT [ft]	Weight [lbs]					
		8000	8500	9000	9500	10000	10500
ISA-10	25000	510	524	538	554	571	589
	20000	518	533	548	564	579	595
	15000	538	542	553	564	578	597
	10000	565	568	576	585	593	604
	5000	581	590	599	607	616	625
	1500	591	603	614	625	636	648
ISA	25000	525	539	554	570	588	606
	20000	532	547	563	579	595	612
	15000	552	556	567	579	593	613
	10000	579	583	591	600	609	620
	5000	596	605	614	623	631	641
	1500	605	617	629	640	652	663
ISA+10	25000	539	553	568	585	604	624
	20000	550	566	584	601	618	636
	15000	567	571	583	595	609	630
	10000	594	598	606	615	624	635
	5000	611	620	629	638	647	657
	1500	621	632	644	656	668	680
ISA+20	25000	559	573	589	605	624	642
	20000	564	581	598	615	631	649
	15000	583	587	600	613	629	651
	10000	609	613	621	631	641	653
	5000	625	635	644	654	664	674
	1500	635	647	660	672	684	697

ELITE_HLD_180_ALL-TEMPS_0_01

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Honda Aircraft Company

HA-420 AFM

PERFORMANCE

Use of approach and landing information tables (continued):

NOTE

Landing distances include a 15 % factor to account for operational factors including crosswind and landing technique. If required, use the Operational Factors Required for Landing Distance section to remove or increase the factor based on the operational rules required.

NOTE

Landing data for 10,700 lbs are provided for reference and interpolation only in case an emergency landing is required.

NOTE

The landing field length provided in the performance section of the flight manual is based on a dry runway. If landing on a wet runway, it is recommended to increase the predicted landing field length by 30 %.

NOTE

Ice Protection ON assumes both ENG and WING A/I are ON. If only ENG A/I is on, the Ice Protection ON tables must be used.

NOTE

The landing field length wind and runway slope correction tables are valid for Ice Protection Off and On.

Uncorrected Landing Field Length [feet] - Dry Runway, Zero Slope, No Wind, Flaps LDG, Ice Protection Off																									
ALT [FT]	WT [LB]	Vref [KIAS]	TEMPERATURE [°C]											ALT [FT]	WT [LB]	Vref [KIAS]	TEMPERATURE [°C]								
			-40	10	15	20	25	30	35	40	45	50	55				-40	10	15	20	25	30	35	40	45
-1000	7500	100	2541	2874	2908	2941	2975	3009	3043	3077	3110	3144	3177	5000	7500	100	2933	3342	3384	3425	3465	3506	3546	3586	3626
	8000	102	2602	2947	2981	3016	3051	3085	3120	3155	3190	3224	3258		8000	102	3008	3430	3472	3515	3557	3598	3640	3681	3722
	8500	105	2703	3064	3101	3137	3173	3210	3246	3283	3319	3355	3390		8500	105	3127	3570	3614	3658	3702	3746	3790	3833	3876
	9000	108	2802	3181	3219	3256	3294	3332	3371	3409	3446	3484	3521		9000	108	3245	3708	3754	3800	3846	3892	3938	3983	4028
	9500	111	2900	3296	3335	3375	3414	3454	3494	3533	3573	3612	3651		9500	111	3362	3845	3893	3941	3989	4036	4084	4131	4178
	9960	114	2989	3400	3441	3482	3523	3564	3606	3647	3688	3728	3769		9960	114	3468	3969	4019	4069	4119	4168	4218	4266	4315
	10700	118	3131	3567	3610	3654	3697	3740	3784	3827	3871	3914	3956		10700	118	3637	4168	4220	4273	4326	4378	4430	4482	4533
Sea Level	7500	100	2598	2944	2978	3013	3048	3083	3118	3153	3187	3222	3256	6000	7500	100	3010	3433	3476	3518	3560	3602	3643	3685	
	8000	102	2662	3019	3054	3090	3126	3162	3198	3234	3269	3305	3340		8000	102	3087	3524	3568	3611	3654	3698	3740	3783	
	8500	105	2765	3140	3177	3214	3252	3290	3327	3365	3402	3439	3476		8500	105	3210	3668	3714	3759	3804	3850	3894	3939	
	9000	108	2867	3259	3298	3337	3377	3416	3455	3495	3534	3572	3611		9000	108	3332	3810	3858	3905	3953	4000	4047	4093	
	9500	111	2968	3378	3418	3459	3500	3541	3582	3623	3663	3704	3744		9500	111	3452	3951	4001	4050	4100	4149	4198	4247	
	9960	114	3060	3485	3528	3570	3612	3655	3697	3740	3782	3823	3865		9960	114	3561	4080	4131	4182	4234	4285	4336	4386	
	10700	118	3205	3657	3701	3746	3791	3836	3881	3926	3970	4014	4058		10700	118	3735	4284	4339	4393	4447	4501	4555	4608	
1000	7500	100	2658	3016	3052	3088	3124	3160	3196	3232	3267	3302		7000	7500	100	3089	3528	3572	3615	3659	3702	3745	3787	
	8000	102	2724	3093	3130	3167	3204	3241	3278	3315	3352	3388			8000	102	3169	3622	3667	3711	3756	3801	3845	3889	
	8500	105	2830	3218	3256	3295	3334	3373	3411	3450	3488	3526			8500	105	3296	3770	3817	3864	3911	3958	4004	4050	
	9000	108	2935	3341	3381	3422	3462	3503	3543	3583	3624	3663			9000	108	3421	3917	3966	4015	4064	4113	4161	4209	
	9500	111	3039	3462	3504	3547	3589	3631	3673	3715	3757	3799			9500	111	3545	4062	4113	4164	4216	4266	4317	4367	
	9960	114	3134	3573	3617	3661	3705	3748	3792	3836	3879	3922			9960	114	3658	4194	4248	4301	4354	4407	4459	4511	
	10700	118	3284	3750	3796	3842	3889	3935	3981	4027	4073	4118			10700	118	3837	4405	4462	4518	4574	4630	4685	4740	
2000	7500	100	2723	3093	3130	3167	3204	3241	3278	3315	3352	3388		8000	7500	100	3171	3626	3671	3716	3761	3805	3850		
	8000	102	2791	3172	3211	3249	3287	3325	3364	3402	3439	3477			8000	102	3254	3723	3769	3816	3862	3908	3953		
	8500	105	2900	3300	3340	3381	3421	3461	3501	3540	3580	3619			8500	105	3385	3876	3924	3973	4021	4070	4117		
	9000	108	3008	3427	3469	3511	3553	3594	3636	3678	3719	3760			9000	108	3514	4027	4078	4129	4179	4230	4280		
	9500	111	3115	3552	3596	3640	3683	3727	3770	3813	3856	3899			9500	111	3642	4177	4230	4283	4336	4388	4440		
	9960	114	3212	3666	3712	3757	3802	3847	3892	3937	3982	4026			9960	114	3758	4314	4369	4423	4478	4533	4587		
	10700	118	3367	3848	3896	3944	3991	4039	4087	4134	4181	4228			10700	118	3943	4531	4589	4647	4705	4763	4820		
3000	7500	100	2790	3172	3211	3249	3287	3326	3364	3402	3440		9000	7500	100	3257	3727	3774	3821	3867	3913	3959			
	8000	102	2860	3255	3294	3334	3373	3413	3452	3491	3530			8000	102	3343	3828	3876	3924	3971	4019	4066			
	8500	105	2973	3386	3428	3469	3510	3552	3593	3634	3674			8500	105	3478	3986	4036	4086	4136	4186	4235			
	9000	108	3084	3517	3560	3603	3646	3689	3732	3775	3817			9000	108	3611	4142	4194	4247	4299	4351	4402			
	9500	111	3194	3645	3691	3736	3781	3826	3870	3915	3959			9500	111	3743	4296	4351	4406	4460	4514	4568			
	9960	114	3294	3763	3810	3856	3903	3950	3996	4042	4088			9960	114	3863	4437	4494	4551	4607	4664	4719			
	10700	118	3453	3950	3999	4049	4098	4147	4196	4245	4294			10700	118	4054	4662	4722	4782	4842	4901	4960			
4000	7500	100	2860	3255	3295	3334	3374	3414	3453	3492	3530		10000	7500	100	3346	3833	3881	3929	3977	4024	4072			
	8000	102	2933	3340	3381	3422	3462	3503	3543	3584	3623			8000	102	3435	3937	3986	4036	4085	4134	4183			
	8500	105	3048	3475	3518	3561	3604	3646	3689	3731	3772			8500	105	3574	4100	4152	4203	4255	4306	4357			
	9000	108	3163	3610	3654	3699	3743	3788	3832	3876	3919			9000	108	3711	4261	4315	4369	4423	4477	4530			
	9500	111	3276	3742	3789	3835	3882	3928	3974	4020	4065			9500	111	3847	4420	4477	4533	4590	4645	4701			
	9960	114	3379	3863	3911	3960	4008	4056	4104	4151	4198			9960	114	3971	4566	4625	4683	4742	4800	4857			
	10700	118	3543	4056	4107	4158	4209	4259	4310	4360	4410			10700	118	4168	4798	4860	4922	4984	5045	5106			

ELT_LFL_LDg_0_02