

Flight Planning and Performance

CITATION SOVEREIGN+

MODEL 680
680-0501 AND ON



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CESSNA AIRCRAFT COMPANY
WICHITA, KANSAS, USA
68PPA-01

REVISION 1



MEMBER OF GAMA

12 DECEMBER 2013

19 AUGUST 2015

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE CLIMB 250 KIAS/0.64 INDICATED MACH

TIME, DISTANCE, FUEL, AND RATE OF CLIMB

ANTI-ICE SYSTEMS OFF

T.O. WEIGHT	30775	30000	29000	27000	24000	21000	30775	30000	29000	27000	24000	21000	30775	30000	29000	27000	24000	21000
5000 FEET ISA = 5°C = 41°F							10000 FEET ISA = -5°C = 23°F						15000 FEET ISA = -15°C = 6°F					
MIN	1	1	1	1	1	1	3	3	3	3	2	2	5	5	5	4	4	3
NM	6	6	6	5	5	4	14	13	13	12	10	9	23	23	22	20	17	15
LB	108	105	101	93	82	71	221	214	206	189	166	143	339	328	315	290	254	219
FPM	3421	3525	3668	3982	4544	5259	2864	2955	3079	3352	3839	4457	2388	2468	2576	2814	3239	3775
+20°C																		
MIN	1	1	1	1	1	1	2	2	2	2	2	2	4	4	4	3	3	3
NM	5	5	5	4	4	3	11	11	10	10	8	7	19	18	17	16	14	12
LB	99	96	92	85	75	65	198	192	185	171	150	130	300	291	280	258	226	196
FPM	4145	4268	4437	4808	5476	6325	3624	3735	3886	4220	4818	5577	3083	3180	3314	3608	4133	4799
+10°C																		
MIN	1	1	1	1	1	1	2	2	2	2	2	1	3	3	3	3	3	2
NM	5	5	5	4	4	3	10	10	9	9	7	6	16	16	15	14	12	10
LB	95	92	88	82	72	62	185	180	173	160	140	122	276	268	258	238	209	181
FPM	4383	4513	4690	5081	5784	6678	4397	4528	4707	5103	5812	6715	3773	3890	4048	4397	5023	5818
-10°C																		
MIN	1	1	1	1	1	1	2	2	2	2	2	1	3	3	3	3	2	2
NM	5	5	4	4	4	3	10	9	9	8	7	6	15	14	14	13	11	9
LB	91	88	85	78	69	59	177	172	165	153	134	116	261	254	244	225	198	171
FPM	4453	4585	4765	5163	5877	6786	4757	4898	5090	5515	6278	7248	4277	4407	4584	4974	5673	6562
17000 FEET ISA = -19°C = -2°F							19000 FEET ISA = -23°C = -9°F						21000 FEET ISA = -27°C = -16°F					
MIN	6	6	5	5	4	4	7	6	6	6	5	4	8	8	7	7	6	5
NM	28	27	26	24	21	18	34	33	31	29	25	21	40	38	37	34	29	25
LB	388	377	361	332	290	250	440	427	409	376	328	282	494	479	459	421	367	316
FPM	2183	2258	2360	2583	2981	3482	1987	2058	2153	2362	2734	3201	1875	1943	2035	2236	2594	3044
+20°C																		
MIN	5	4	4	4	3	3	5	5	5	5	4	3	6	6	6	5	5	4
NM	22	22	21	19	17	14	26	25	24	22	20	17	31	30	29	26	23	20
LB	342	332	319	294	258	223	386	374	360	331	290	250	431	418	401	369	323	279
FPM	2847	2940	3066	3342	3836	4461	2621	2708	2826	3087	3551	4137	2483	2567	2681	2931	3378	3941
+10°C																		
MIN	4	4	4	3	3	3	5	4	4	4	3	3	5	5	5	5	4	3
NM	19	18	18	16	14	12	22	21	21	19	16	14	26	25	24	22	19	16
LB	314	304	293	270	237	205	352	341	328	302	265	229	391	379	364	336	294	255
FPM	3522	3632	3783	4113	4706	5457	3253	3357	3498	3809	4365	5070	2948	3045	3176	3464	3980	4631
-10°C																		
MIN	4	4	4	3	3	2	4	4	4	4	3	3	5	5	5	4	4	3
NM	17	17	16	15	13	11	20	19	19	17	15	13	23	22	22	20	17	15
LB	296	287	276	255	224	194	331	322	309	285	251	217	368	357	344	317	278	240
FPM	3939	4060	4226	4591	5244	6074	3620	3734	3889	4230	4841	5615	3295	3401	3545	3862	4429	5146
23000 FEET ISA = -31°C = -23°F							25000 FEET ISA = -35°C = -30°F						27000 FEET ISA = -38°C = -37°F					
MIN	9	9	8	8	7	6	10	10	9	8	7	6	11	11	10	10	8	7
NM	46	45	43	39	34	29	53	51	49	45	39	33	61	59	57	52	45	38
LB	549	531	509	467	406	349	605	585	561	514	446	383	665	643	616	563	489	419
FPM	1823	1890	1980	2179	2531	2974	1676	1740	1826	2014	2348	2766	1453	1513	1596	1771	2076	2457
+20°C																		
MIN	7	7	6	6	5	4	8	8	7	7	6	5	9	9	8	7	7	6
NM	36	34	33	30	26	23	41	39	38	35	30	26	47	45	43	40	35	30
LB	476	461	443	407	356	307	522	506	485	446	390	336	571	553	530	487	425	366
FPM	2415	2497	2610	2856	3295	3849	2232	2310	2416	2650	3066	3589	1933	2007	2107	2322	2698	3171
+10°C																		
MIN	6	6	6	5	4	4	7	7	6	6	5	4	8	7	7	7	6	5
NM	30	29	28	25	22	19	35	33	32	29	26	22	40	39	37	34	30	25
LB	432	419	402	371	325	280	475	460	442	407	356	307	521	505	485	446	389	336
FPM	2640	2729	2850	3116	3590	4187	2336	2417	2528	2772	3205	3750	2056	2133	2238	2465	2861	3360
-10°C																		
MIN	6	5	5	5	4	4	6	6	6	5	5	4	7	7	7	6	5	5
NM	27	26	25	23	20	17	31	30	29	26	23	20	36	35	33	30	27	23
LB	406	394	379	349	306	265	446	433	416	383	335	290	488	473	455	418	366	316
FPM	2972	3070	3203	3497	4020	4681	2660	2751	2874	3144	3626	4233	2352	2438	2554	2805	3247	3803
29000 FEET ISA = -42°C = -44°F							31000 FEET ISA = -46°C = -52°F						33000 FEET ISA = -50°C = -59°F					
MIN	13	12	12	11	9	8	14	13	13	12	10	9	15	15	14	13	11	9
NM	70	68	65	59	51	43	78	75	72	65	56	48	87	84	80	72	62	53
LB	724	700	669	611	530	454	775	749	716	653	564	483	827	799	763	694	599	511
FPM	1666	1739	1839	2057	2441	2912	1563	1635	1734	1948	2329	2800	1391	1463	1559	1767	2133	2588
+20°C																		
MIN	10	9	9	8	7	6	11	10	10	9	8	7	12	11	11	10	9	7
NM	53	51	49	45	39	33	60	58	55	50	43	37	67	64	61	56	48	41
LB	619	599	575	527	459	395	662	641	614	562	489	420	707	684	655	599	519	445
FPM	2153	2240	2358	2617	3075	3641	1916	1999	2112	2357	2793	3334	1700	1781	1890	2126	2541	3059
+10°C																		
MIN	9	8	8	7	6	6	10	9	9	8	7	6	11	10	10	9	8	7
NM	46	45	43	39	34	29	52	50	48	44	38	32	58	56	54	49	42	36
LB	565	548	526	483	421	363	605	586	562	515	449	386	647	626	600	549	477	410
FPM	2346	2438	2564	2841	3330	3936	2092	2180	2300	2561	3027	3606	1830	1915	2030	2279	2718	3265
-10°C																		
MIN	8	8	7	7	6	5	9	8	8	7	6	6	10	9	9	8	7	6
NM	41	39	38	35	30	26	46	44	42	39	34	29	51	49	47	43	37	32
LB	529	512	492	452	395	341	565	547	525	482	421	362	603	584	560	513	447	384
FPM	2654	2755	2893	3197	3734	4402	2379	2476	2608	2895	3406	4043	2087	2180	2306	2578	3059	3660

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CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE CLIMB

250 KIAS/0.64 INDICATED MACH

TIME, DISTANCE, FUEL, AND RATE OF CLIMB

ANTI-ICE SYSTEMS OFF

T.O. WEIGHT	30775	30000	29000	27000	24000	21000	30775	30000	29000	27000	24000	21000	30775	30000	29000	27000	24000	21000
35000 FEET ISA = -54°C = -66°F							37000 FEET ISA = -57°C = -70°F						39000 FEET ISA = -57°C = -70°F					
MIN	17	16	15	14	12	10	19	18	17	15	13	11	21	20	19	17	14	12
NM	97	93	89	80	68	58	109	104	99	89	75	64	124	118	112	100	84	70
+20°C LB	883	851	812	737	634	540	944	909	865	783	671	570	1017	976	927	835	712	603
FPM	1190	1260	1358	1562	1913	2347	955	1020	1107	1297	1627	2024	735	797	880	1061	1377	1756
MIN	13	13	12	11	10	8	15	14	13	12	10	9	17	16	15	14	12	10
+10°C NM	74	72	68	62	53	45	84	81	77	69	59	50	96	92	87	78	66	56
LB	755	729	697	636	551	471	807	779	743	676	583	498	868	836	796	722	620	527
FPM	1454	1531	1640	1869	2264	2753	1177	1248	1345	1555	1924	2368	931	1000	1092	1292	1642	2065
MIN	12	11	11	10	9	7	13	13	12	11	9	8	15	14	14	12	10	9
ISA NM	65	63	60	55	47	40	74	71	67	61	52	44	84	81	77	69	59	49
LB	691	668	639	584	507	434	739	714	682	621	537	459	796	767	731	663	571	486
FPM	1573	1654	1769	2011	2428	2945	1264	1339	1441	1660	2048	2514	1014	1086	1182	1392	1760	2205
MIN	11	10	10	9	8	7	12	11	11	10	9	7	13	13	12	11	10	8
+10°C ISA NM	57	55	53	48	41	35	65	62	59	54	46	39	74	71	68	61	52	44
LB	643	622	595	545	474	407	686	663	634	579	502	430	738	712	679	618	533	455
FPM	1781	1869	1992	2254	2707	3269	1378	1457	1564	1796	2206	2700	1128	1204	1306	1529	1919	2392
41000 FEET ISA = -57°C = -70°F							43000 FEET ISA = -57°C = -70°F						45000 FEET ISA = -57°C = -70°F					
MIN	24	23	22	19	16	13	29	27	25	22	18	15	* 66	37	32	26	21	17
+20°C NM	144	137	128	113	94	78	176	165	152	131	107	87	411	226	196	159	124	99
LB	1107	1058	1000	895	757	637	1238	1172	1096	967	809	675	2044	1395	1259	1070	872	719
FPM	523	583	663	837	1136	1504	281	339	419	587	871	1213	100	110	181	340	615	938
MIN	19	18	17	15	13	11	23	21	20	18	15	12	30	27	25	21	17	14
+10°C ISA NM	111	106	100	89	75	62	134	126	118	103	85	70	176	161	146	123	98	80
LB	941	903	857	772	659	558	1039	990	933	832	703	591	1205	1126	1043	910	755	628
FPM	696	763	852	1044	1375	1782	420	485	572	758	1069	1446	186	250	331	509	814	1173
MIN	17	16	15	14	12	10	20	19	18	16	13	11	27	25	22	19	15	12
+10°C ISA NM	98	94	88	79	66	55	118	112	104	91	75	62	157	143	130	110	88	71
LB	862	828	787	710	607	515	949	906	856	765	648	546	1101	1031	957	837	697	581
FPM	777	848	941	1143	1492	1922	464	531	622	816	1141	1534	191	257	342	524	838	1207
MIN	15	15	14	13	11	9	18	17	16	14	12	10	23	21	20	17	14	11
+10°C ISA NM	86	82	78	69	59	49	102	97	91	80	67	55	130	121	111	95	77	63
LB	797	767	730	660	566	482	871	834	789	709	603	510	984	930	871	769	645	541
FPM	898	973	1073	1288	1661	2121	588	659	757	966	1316	1740	298	370	462	658	997	1396
47000 FEET ISA = -57°C = -70°F																		
MIN	* 225	* 190	* 141	* 44	25	19												
+20°C ISA NM	1423	1199	899	274	149	115												
LB	5213	4438	3438	1437	957	771												
FPM	153	153	153	153	399	712												
MIN	* 108	* 73	34	26	20	16												
+10°C ISA NM	698	470	206	155	116	91												
LB	2930	2155	1257	1024	819	671												
FPM	100	100	109	286	580	929												
MIN	* 106	* 71	32	24	18	14												
+10°C ISA NM	674	443	187	140	105	83												
LB	2800	2024	1160	945	757	621												
FPM	100	100	113	295	598	957												
MIN	* 53	30	26	21	16	13												
+10°C ISA NM	324	173	147	117	91	72												
LB	1666	1124	1006	853	697	576												
FPM	100	122	210	410	737	1125												

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* INDICATES STEP CLIMB REQUIRED
NOTE: STEP CLIMB DATA INCLUDES TIME, DISTANCE, AND FUEL USED IN CRUISE PORTION. BASED ON MAXIMUM CRUISE THRUST.

CRUISE CLIMB SPEED - KIAS										
PRESSURE ALTITUDE - FEET										
0	5000	10000	15000	20000	25000	30000	35000	40000	45000	47000
250	250	250	250	250	250	238	212	189	168	160

WIND EFFECT ON CLIMB DISTANCE - NM
(SUBTRACT FOR HEADWIND, ADD FOR TAILWIND)

CLIMB TIME (MIN)	WIND		
	25KTS	50KTS	100KTS
5	2	4	8
10	4	8	16
15	6	12	25
20	8	16	33
25	10	20	41
30	12	25	50

NOTE: FOR CLIMB CONDITIONS REQUIRING A STEP CLIMB, THE FOLLOWING TABLE GIVES THE WEIGHT AT THE END OF THE STEP CRUISE AT THE STEP ALTITUDE, REQUIRED TO CONTINUE CLIMB.

STEP CLIMB ALT IN FEET	TEMPERATURE			
	ISA -10°C	ISA +0°C	ISA +10°C	ISA +20°C
43000	—	—	—	28968
45000	29326	28193	28070	25737

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 5000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAIL WIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C 25°C	37	(1)	78.0	2425	270	.45	299	8.2	10.3	11.3	12.3	13.4	14.4	16.4
		36		76.4	2260	260	.430	288	8.3	10.5	11.6	12.7	13.8	15.0	17.2
		35		74.6	2082	248	.410	275	8.4	10.8	12.0	13.2	14.4	15.6	18.0
		34		72.8	1937	236	.390	261	8.3	10.9	12.2	13.5	14.8	16.1	18.7
	33	(2)	70.7	1809	223	.37	248	8.2	10.9	12.3	13.7	15.1	16.4	19.2	
	ISA+10°C 15°C	26	(1)	76.7	2369	270	.45	294	8.2	10.3	11.3	12.4	13.5	14.5	16.6
		26		75.2	2209	260	.430	283	8.3	10.6	11.7	12.8	14.0	15.1	17.3
		25		73.4	2034	248	.410	270	8.4	10.8	12.1	13.3	14.5	15.7	18.2
		24		71.5	1894	236	.390	257	8.3	10.9	12.3	13.6	14.9	16.2	18.9
	23	(2)	69.7	1774	224	.37	244	8.1	10.9	12.4	13.8	15.2	16.6	19.4	
	ISA+0°C 5°C	16	(1)	75.4	2312	270	.45	289	8.2	10.3	11.4	12.5	13.6	14.7	16.8
		15		73.9	2156	260	.430	278	8.3	10.6	11.7	12.9	14.1	15.2	17.5
		14		72.1	1988	248	.410	265	8.3	10.8	12.1	13.3	14.6	15.9	18.4
		13		70.3	1850	236	.390	253	8.2	10.9	12.3	13.7	15.0	16.4	19.1
	13	(2)	68.8	1742	225	.37	241	8.1	11.0	12.4	13.8	15.3	16.7	19.6	
	ISA-10°C -5°C	6	(1)	74.1	2255	270	.45	284	8.1	10.4	11.5	12.6	13.7	14.8	17.0
5			72.6	2103	260	.430	273	8.2	10.6	11.8	13.0	14.2	15.4	17.7	
4			70.9	1938	248	.410	261	8.3	10.9	12.2	13.4	14.7	16.0	18.6	
3			69.1	1803	236	.390	248	8.2	11.0	12.4	13.7	15.1	16.5	19.3	
2			67.2	1687	223	.37	235	8.0	11.0	12.4	13.9	15.4	16.9	19.9	
2		(2)	65.7	1597	217	.36	229	8.0	11.2	12.7	14.3	15.9	17.4	20.6	
30000	ISA+20°C 25°C	37	(1)	77.9	2417	270	.45	299	8.2	10.3	11.3	12.4	13.4	14.4	16.5
		36		76.3	2251	260	.430	288	8.4	10.6	11.7	12.8	13.9	15.0	17.2
		35		74.5	2072	248	.410	275	8.4	10.8	12.0	13.3	14.5	15.7	18.1
		34		72.6	1927	236	.390	261	8.4	11.0	12.3	13.6	14.9	16.2	18.8
	33	(2)	70.3	1781	221	.37	246	8.2	11.0	12.4	13.8	15.2	16.6	19.4	
	ISA+10°C 15°C	26	(1)	76.6	2361	270	.45	294	8.2	10.3	11.4	12.4	13.5	14.6	16.7
		26		75.1	2200	260	.430	283	8.3	10.6	11.7	12.9	14.0	15.1	17.4
		25		73.2	2024	248	.410	270	8.4	10.9	12.1	13.3	14.6	15.8	18.3
		24		71.3	1884	236	.390	257	8.3	11.0	12.3	13.6	15.0	16.3	18.9
	23	(2)	69.3	1749	222	.37	243	8.1	11.0	12.4	13.9	15.3	16.7	19.6	
	ISA+0°C 5°C	16	(1)	75.3	2304	270	.45	289	8.2	10.4	11.5	12.5	13.6	14.7	16.9
		15		73.8	2147	260	.430	278	8.3	10.6	11.8	13.0	14.1	15.3	17.6
		14		72.0	1979	248	.410	265	8.4	10.9	12.1	13.4	14.7	15.9	18.5
		13		70.2	1840	236	.390	253	8.3	11.0	12.4	13.7	15.1	16.4	19.2
	13	(2)	68.5	1720	224	.37	240	8.1	11.0	12.5	13.9	15.4	16.9	19.8	
	ISA-10°C -5°C	6	(1)	74.0	2247	270	.45	284	8.2	10.4	11.5	12.6	13.7	14.8	17.1
5			72.5	2095	260	.430	273	8.3	10.7	11.8	13.0	14.2	15.4	17.8	
4			70.7	1930	248	.410	261	8.3	10.9	12.2	13.5	14.8	16.1	18.7	
3			69.0	1795	236	.390	248	8.2	11.0	12.4	13.8	15.2	16.6	19.4	
2			67.2	1682	222	.37	233	8.0	11.0	12.5	14.0	15.5	17.0	20.1	
2		(2)	65.7	1597	217	.36	229	8.0	11.2	12.7	14.3	15.9	17.4	20.6	
29000	ISA+20°C 25°C	37	(1)	77.8	2406	270	.45	299	8.3	10.3	11.4	12.4	13.5	14.5	16.6
		36		76.2	2240	260	.430	288	8.4	10.6	11.7	12.9	14.0	15.1	17.3
		35		74.3	2061	248	.410	275	8.5	10.9	12.1	13.3	14.5	15.8	18.2
		34		72.4	1915	236	.390	261	8.4	11.0	12.3	13.6	15.0	16.3	18.9
	33	(2)	69.6	1746	219	.36	243	8.2	11.1	12.5	13.9	15.4	16.8	19.7	
	ISA+10°C 15°C	26	(1)	76.5	2351	270	.45	294	8.2	10.4	11.4	12.5	13.6	14.6	16.8
		26		74.9	2189	260	.430	283	8.4	10.6	11.8	12.9	14.1	15.2	17.5
		25		73.1	2013	248	.410	270	8.4	10.9	12.2	13.4	14.7	15.9	18.4
		24		71.1	1873	236	.390	257	8.4	11.1	12.4	13.7	15.1	16.4	19.1
	23	(2)	68.8	1716	220	.36	240	8.2	11.1	12.5	14.0	15.5	16.9	19.8	
	ISA+0°C 5°C	16	(1)	75.2	2293	270	.45	289	8.2	10.4	11.5	12.6	13.7	14.8	17.0
		15		73.7	2137	260	.430	278	8.3	10.7	11.8	13.0	14.2	15.4	17.7
		14		71.8	1968	248	.410	265	8.4	10.9	12.2	13.5	14.8	16.0	18.6
		13		70.0	1829	236	.390	253	8.3	11.1	12.4	13.8	15.2	16.5	19.3
	13	(2)	67.9	1686	222	.37	237	8.2	11.1	12.6	14.1	15.6	17.0	20.0	
	ISA-10°C -5°C	6	(1)	73.9	2237	270	.45	284	8.2	10.4	11.6	12.7	13.8	14.9	17.1
5			72.4	2085	260	.430	273	8.3	10.7	11.9	13.1	14.3	15.5	17.9	
4			70.6	1919	248	.410	261	8.4	11.0	12.3	13.6	14.9	16.2	18.8	
3			68.8	1784	236	.390	248	8.3	11.1	12.5	13.9	15.3	16.7	19.5	
2			67.0	1649	219	.36	231	8.0	11.1	12.6	14.2	15.7	17.2	20.3	
2		(2)	65.3	1569	213	.35	225	8.0	11.3	12.8	14.4	16.0	17.5	20.9	
28000	ISA+20°C 25°C	37	(1)	77.6	2396	270	.45	299	8.3	10.4	11.4	12.5	13.5	14.6	16.7
		36		75.1	2135	254	.420	281	8.5	10.8	12.0	13.2	14.3	15.5	17.9
		35		73.2	1972	242	.400	268	8.5	11.1	12.3	13.6	14.9	16.1	18.7
		34		71.2	1839	230	.380	255	8.4	11.1	12.5	13.9	15.2	16.6	19.3
	33	(2)	69.0	1710	217	.36	240	8.2	11.1	12.6	14.1	15.5	17.0	19.9	
	ISA+10°C 15°C	26	(1)	76.4	2341	270	.45	294	8.3	10.4	11.5	12.6	13.6	14.7	16.8
		25		73.9	2086	254	.420	277	8.5	10.9	12.1	13.3	14.5	15.7	18.1
		24		71.9	1927	242	.400	264	8.5	11.1	12.4	13.7	15.0	16.3	18.9
		23		70.0	1797	230	.380	250	8.4	11.2	12.5	13.9	15.3	16.7	19.5
	23	(2)	68.2	1680	218	.36	238	8.2	11.2	12.7	14.1	15.6	17.1	20.1	
	ISA+0°C 5°C	16	(1)	75.1	2284	270	.45	289	8.3	10.5	11.6	12.6	13.7	14.8	17.0
		15		73.5	2127	260	.430	278	8.4	10.7	11.9	13.1	14.3	15.4	17.8
		14		71.7	1958	248	.410	265	8.4	11.0	12.3	13.6	14.8	16.1	18.7
		13		69.8	1817	236	.390	253	8.4	11.1	12.5	13.9	15.3	16.6	19.4
	12	(2)	67.1	1643	218	.36	234	8.1	11.2	12.7	14.2	15.7	17.3	20.3	
	ISA-10°C -5°C	6	(1)	73.8	2228	270	.45	284	8.2	10.5	11.6	12.7	13.8	15.0	17.2
4			71.4	1988	254	.420	267	8.4	10.9	12.2	13.4	14.7	15.9	18.5	
4			69.6	1835	242	.400	254	8.4	11.1	12.5	13.9	15.2	16.6	19.3	
3			67.6	1714	230	.380	242	8.3	11.2	12.6	14.1	15.6	17.0	19.9	
2			65.7	1597	217	.36	229	8.0	11.2	12.7	14.3	15.9	17.4	20.6	
2		(2)	64.2	1480	211	.35	223	8.0	11.4	12.9	14.5	16.1	17.6	21.2	

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 5000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C 25°C	37	(1)	77.5	2386	270	.45	299	8.3	10.4	11.5	12.5	13.6	14.6	16.7
		36		75.0	2124	254	.420	281	8.5	10.9	12.1	13.2	14.4	15.6	18.0
		35		73.0	1961	242	.400	268	8.6	11.1	12.4	13.7	14.9	16.2	18.8
	34		71.0	1828	230	.380	255	8.5	11.2	12.6	13.9	15.3	16.7	19.4	
	33	(2)	68.4	1675	214	.35	238	8.2	11.2	12.7	14.2	15.7	17.2	20.2	
	ISA+10°C 15°C	26	(1)	76.2	2331	270	.45	294	8.3	10.5	11.5	12.6	13.7	14.8	16.9
		25		73.7	2076	254	.420	277	8.5	10.9	12.1	13.3	14.5	15.7	18.1
		24		71.8	1917	242	.400	264	8.5	11.1	12.4	13.7	15.1	16.4	19.0
	23		69.8	1786	230	.380	250	8.4	11.2	12.6	14.0	15.4	16.8	19.6	
	22	(2)	67.3	1638	214	.35	234	8.2	11.2	12.8	14.3	15.8	17.3	20.4	
	ISA+0°C 5°C	16	(1)	75.0	2274	270	.45	289	8.3	10.5	11.6	12.7	13.8	14.9	17.1
		15		72.5	2028	254	.420	272	8.5	10.9	12.2	13.4	14.6	15.9	18.3
14			70.6	1873	242	.400	259	8.5	11.2	12.5	13.8	15.2	16.5	19.2	
13		68.8	1742	230	.380	246	8.4	11.3	12.7	14.1	15.6	17.0	19.9		
12	(2)	66.1	1596	214	.35	230	8.1	11.2	12.8	14.4	15.9	17.5	20.6		
ISA-10°C -5°C	6	(1)	73.7	2219	270	.45	284	8.3	10.5	11.7	12.8	13.9	15.0	17.3	
	4		71.2	1978	254	.420	267	8.4	11.0	12.2	13.5	14.8	16.0	18.5	
	4		69.4	1825	242	.400	254	8.5	11.2	12.6	13.9	15.3	16.7	19.4	
3		67.4	1703	230	.380	242	8.3	11.3	12.7	14.2	15.7	17.1	20.1		
2	(2)	65.2	1564	215	.36	226	8.1	11.3	12.9	14.5	16.1	17.6	20.8		
25000	ISA+20°C 25°C	37	(1)	77.3	2367	270	.45	299	8.4	10.5	11.6	12.6	13.7	14.7	16.9
		36		74.7	2104	254	.420	281	8.6	11.0	12.2	13.4	14.6	15.7	18.1
		34		71.7	1871	236	.390	261	8.6	11.3	12.6	14.0	15.3	16.6	19.3
	33		68.5	1682	218	.360	241	8.4	11.4	12.9	14.4	15.8	17.3	20.3	
	32	(2)	67.0	1600	209	.35	232	8.2	11.4	12.9	14.5	16.1	17.6	20.7	
	ISA+10°C 15°C	26	(1)	76.0	2313	270	.45	294	8.4	10.5	11.6	12.7	13.8	14.9	17.0
		25		73.5	2056	254	.420	277	8.6	11.0	12.2	13.5	14.7	15.9	18.3
		24		70.4	1830	236	.390	257	8.6	11.3	12.7	14.0	15.4	16.8	19.5
	23		67.4	1644	218	.360	237	8.4	11.4	12.9	14.4	16.0	17.5	20.5	
	22	(2)	65.6	1548	207	.34	226	8.1	11.4	13.0	14.6	16.2	17.8	21.1	
	ISA+0°C 5°C	16	(1)	74.8	2256	270	.45	289	8.4	10.6	11.7	12.8	13.9	15.0	17.2
		15		72.2	2009	254	.420	272	8.5	11.0	12.3	13.5	14.8	16.0	18.5
13			69.3	1786	236	.390	253	8.5	11.3	12.7	14.1	15.5	16.9	19.7	
12		66.3	1605	218	.360	233	8.3	11.4	13.0	14.5	16.1	17.6	20.8		
11	(2)	64.2	1500	206	.34	221	8.0	11.4	13.0	14.7	16.4	18.0	21.4		
ISA-10°C -5°C	6	(1)	73.4	2201	270	.45	284	8.3	10.6	11.7	12.9	14.0	15.2	17.4	
	4		71.0	1960	254	.420	267	8.5	11.1	12.3	13.6	14.9	16.2	18.7	
	3		68.1	1743	236	.390	248	8.5	11.4	12.8	14.2	15.7	17.1	20.0	
2		65.2	1567	218	.360	229	8.2	11.4	13.0	14.6	16.2	17.8	21.0		
1	(2)	63.5	1485	208	.34	219	8.0	11.4	13.1	14.8	16.4	18.1	21.5		
23000	ISA+20°C 25°C	37	(1)	77.1	2350	270	.45	299	8.5	10.6	11.7	12.7	13.8	14.9	17.0
		36		74.5	2086	254	.420	281	8.7	11.1	12.3	13.5	14.7	15.9	18.3
		34		71.4	1852	236	.390	261	8.7	11.4	12.8	14.1	15.5	16.8	19.5
	33		68.3	1660	218	.360	241	8.5	11.5	13.0	14.5	16.1	17.6	20.6	
	32	(2)	65.8	1544	205	.34	228	8.3	11.5	13.1	14.8	16.4	18.0	21.2	
	ISA+10°C 15°C	26	(1)	75.8	2296	270	.45	294	8.4	10.6	11.7	12.8	13.9	15.0	17.2
		25		73.2	2038	254	.420	277	8.7	11.1	12.3	13.6	14.8	16.0	18.5
		24		70.1	1811	236	.390	257	8.7	11.4	12.8	14.2	15.6	17.0	19.7
	23		67.0	1622	218	.360	237	8.5	11.6	13.1	14.6	16.2	17.7	20.8	
	21	(2)	63.1	1432	196	.32	214	8.0	11.5	13.2	15.0	16.7	18.5	22.0	
	ISA+0°C 5°C	16	(1)	74.5	2240	270	.45	289	8.4	10.7	11.8	12.9	14.0	15.1	17.4
		15		72.0	1992	254	.420	272	8.6	11.1	12.4	13.6	14.9	16.1	18.7
13			69.0	1767	236	.390	253	8.6	11.5	12.9	14.3	15.7	17.1	20.0	
12		65.9	1584	218	.360	233	8.4	11.6	13.1	14.7	16.3	17.9	21.0		
11	(2)	62.1	1398	196	.32	211	7.9	11.5	13.3	15.1	16.9	18.6	22.2		
ISA-10°C -5°C	6	(1)	73.2	2185	270	.45	284	8.4	10.7	11.8	13.0	14.1	15.3	17.6	
	4		70.7	1943	254	.420	267	8.6	11.2	12.4	13.7	15.0	16.3	18.9	
	3		67.7	1726	236	.390	248	8.6	11.5	12.9	14.4	15.8	17.3	20.2	
2		64.7	1547	218	.360	229	8.3	11.6	13.2	14.8	16.4	18.0	21.3		
1	(2)	61.5	1391	199	.33	210	7.9	11.5	13.3	15.1	16.9	18.7	22.3		
20000	ISA+20°C 25°C	37	(1)	76.8	2326	270	.45	299	8.6	10.7	11.8	12.9	13.9	15.0	17.1
		35		73.1	1975	248	.410	275	8.8	11.4	12.6	13.9	15.2	16.4	19.0
		33		68.6	1694	224	.370	248	8.7	11.7	13.2	14.7	16.1	17.6	20.6
	30	(2)	64.0	1458	199	.330	222	8.3	11.8	13.5	15.2	16.9	18.6	22.0	
	30		59.7	1281	177	.29	197	7.5	11.5	13.4	15.4	17.3	19.3	23.2	
	ISA+10°C 15°C	26	(1)	75.5	2273	270	.45	294	8.5	10.7	11.8	12.9	14.0	15.1	17.3
		25		71.8	1931	248	.410	270	8.8	11.4	12.7	14.0	15.3	16.6	19.2
		23		67.6	1654	224	.370	244	8.7	11.7	13.2	14.7	16.3	17.8	20.8
	21	(2)	62.9	1425	199	.330	218	8.3	11.8	13.5	15.3	17.0	18.8	22.3	
	20		59.8	1277	182	.30	199	7.7	11.6	13.6	15.6	17.5	19.5	23.4	
	ISA+0°C 5°C	16	(1)	74.3	2218	270	.45	289	8.5	10.8	11.9	13.0	14.1	15.3	17.5
		14		70.6	1888	248	.410	265	8.8	11.4	12.7	14.1	15.4	16.7	19.4
13			66.4	1615	224	.370	240	8.6	11.7	13.3	14.8	16.4	17.9	21.0	
11		61.9	1391	199	.330	214	8.2	11.8	13.6	15.4	17.2	19.0	22.6		
10	(2)	59.0	1261	184	.30	197	7.7	11.7	13.7	15.6	17.6	19.6	23.6		
ISA-10°C -5°C	6	(1)	72.9	2164	270	.45	284	8.5	10.8	11.9	13.1	14.3	15.4	17.7	
	4		69.5	1839	248	.410	261	8.7	11.4	12.8	14.2	15.5	16.9	19.6	
	3		66.3	1639	230	.380	242	8.6	11.7	13.2	14.7	16.3	17.8	20.8	
2		63.0	1464	212	.350	223	8.4	11.8	13.5	15.2	16.9	18.6	22.0		
0	(2)	58.4	1264	188	.31	198	7.7	11.7	13.7	15.7	17.6	19.6	23.6		

68PPA-01-01

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
15°C	5°C	-5°C
76.2	75.0	73.6
INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 13%		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 10000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
							HEADWIND			ZERO WIND	TAILWIND				
							100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
30775	ISA+20°C 15°C	32	(1)	87.6	2779	305	.55	362	9.4	11.2	12.1	13.0	13.9	14.8	16.6
		30		84.0	2427	282	.510	335	9.7	11.8	12.8	13.8	14.9	15.9	17.9
		28		80.2	2135	259	.470	309	9.8	12.1	13.3	14.5	15.7	16.8	19.2
		26		76.6	1874	237	.430	283	9.8	12.4	13.8	15.1	16.4	17.8	20.4
	24	(2)	73.3	1670	217	.39	259	9.5	12.5	14.0	15.5	17.0	18.5	21.5	
	ISA+10°C 5°C	22	(1)	86.1	2710	305	.55	356	9.4	11.3	12.2	13.1	14.1	15.0	16.8
		19		82.6	2369	282	.510	330	9.7	11.8	12.9	13.9	15.0	16.0	18.1
		17		78.9	2083	259	.470	304	9.8	12.2	13.4	14.6	15.8	17.0	19.4
		15		75.3	1829	237	.430	278	9.7	12.5	13.8	15.2	16.6	17.9	20.7
	14	(2)	72.3	1645	218	.40	257	9.5	12.6	14.1	15.6	17.1	18.6	21.7	
	ISA+0°C -5°C	11	(1)	84.6	2645	305	.55	350	9.4	11.3	12.3	13.2	14.2	15.1	17.0
		9		81.2	2311	282	.510	324	9.7	11.8	12.9	14.0	15.1	16.2	18.3
		7		77.6	2032	259	.470	298	9.8	12.2	13.5	14.7	15.9	17.1	19.6
		5		74.0	1785	237	.430	273	9.7	12.5	13.9	15.3	16.7	18.1	20.9
	4	(2)	71.2	1610	219	.40	253	9.5	12.6	14.1	15.7	17.2	18.8	21.9	
	ISA-10°C -15°C	1	(1)	83.1	2577	305	.55	343	9.4	11.4	12.3	13.3	14.3	15.3	17.2
-2			79.8	2251	282	.510	318	9.7	11.9	13.0	14.1	15.2	16.3	18.5	
-4			76.2	1981	259	.470	293	9.7	12.3	13.5	14.8	16.0	17.3	19.8	
-5			72.6	1740	237	.430	268	9.7	12.5	14.0	15.4	16.8	18.3	21.2	
-7	(2)	69.6	1556	217	.39	246	9.4	12.6	14.2	15.8	17.4	19.0	22.2		
30000	ISA+20°C 15°C	32	(1)	87.5	2772	305	.55	362	9.5	11.3	12.2	13.1	14.0	14.9	16.7
		30		83.9	2420	282	.510	335	9.7	11.8	12.8	13.9	14.9	15.9	18.0
		28		80.1	2126	259	.470	309	9.8	12.2	13.4	14.5	15.7	16.9	19.3
		26		76.4	1864	237	.430	283	9.8	12.5	13.9	15.2	16.5	17.9	20.6
	24	(2)	72.8	1643	215	.39	257	9.6	12.6	14.1	15.7	17.2	18.7	21.7	
	ISA+10°C 5°C	22	(1)	86.0	2704	305	.55	356	9.5	11.3	12.2	13.2	14.1	15.0	16.9
		19		82.5	2362	282	.510	330	9.7	11.8	12.9	14.0	15.0	16.1	18.2
		17		78.8	2075	259	.470	304	9.8	12.2	13.4	14.6	15.9	17.1	19.5
		15		75.1	1820	237	.430	278	9.8	12.5	13.9	15.3	16.7	18.0	20.8
	14	(2)	71.9	1624	217	.39	255	9.6	12.6	14.2	15.7	17.3	18.8	21.9	
	ISA+0°C -5°C	11	(1)	84.6	2638	305	.55	350	9.5	11.4	12.3	13.3	14.2	15.1	17.0
		9		81.1	2304	282	.510	324	9.7	11.9	13.0	14.0	15.1	16.2	18.4
		7		77.5	2024	259	.470	298	9.8	12.3	13.5	14.7	16.0	17.2	19.7
		5		73.8	1775	237	.430	273	9.8	12.6	14.0	15.4	16.8	18.2	21.0
	3	(2)	70.8	1587	218	.40	251	9.5	12.7	14.2	15.8	17.4	19.0	22.1	
	ISA-10°C -15°C	1	(1)	83.1	2571	305	.55	343	9.5	11.4	12.4	13.3	14.3	15.3	17.2
-2			79.7	2244	282	.510	318	9.7	11.9	13.0	14.1	15.3	16.4	18.6	
-4			76.1	1973	259	.470	293	9.8	12.3	13.6	14.8	16.1	17.4	19.9	
-5			72.5	1730	237	.430	268	9.7	12.6	14.0	15.5	16.9	18.4	21.3	
-7	(2)	69.3	1539	216	.39	245	9.4	12.7	14.3	15.9	17.6	19.2	22.4		
29000	ISA+20°C 15°C	32	(1)	87.4	2763	305	.55	362	9.5	11.3	12.2	13.1	14.0	14.9	16.7
		30		83.8	2410	282	.510	335	9.8	11.8	12.9	13.9	15.0	16.0	18.1
		28		80.0	2115	259	.470	309	9.9	12.3	13.4	14.6	15.8	17.0	19.4
		26		76.2	1851	237	.430	283	9.9	12.6	13.9	15.3	16.6	18.0	20.7
	24	(2)	72.3	1617	214	.39	256	9.6	12.7	14.3	15.8	17.4	18.9	22.0	
	ISA+10°C 5°C	22	(1)	85.9	2695	305	.55	356	9.5	11.4	12.3	13.2	14.1	15.1	16.9
		19		82.4	2352	282	.510	330	9.8	11.9	12.9	14.0	15.1	16.1	18.3
		17		78.6	2064	259	.470	304	9.9	12.3	13.5	14.7	15.9	17.1	19.6
		15		74.9	1807	237	.430	278	9.9	12.6	14.0	15.4	16.8	18.2	20.9
	14	(2)	71.5	1596	216	.39	254	9.6	12.8	14.3	15.9	17.5	19.0	22.2	
	ISA+0°C -5°C	11	(1)	84.5	2630	305	.55	350	9.5	11.4	12.3	13.3	14.2	15.2	17.1
		9		81.0	2295	282	.510	324	9.7	11.9	13.0	14.1	15.2	16.3	18.5
		7		77.3	2013	259	.470	298	9.9	12.3	13.6	14.8	16.1	17.3	19.8
		5		73.6	1763	237	.430	273	9.8	12.7	14.1	15.5	16.9	18.3	21.2
	3	(2)	70.2	1555	215	.39	249	9.6	12.8	14.4	16.0	17.6	19.2	22.4	
	ISA-10°C -15°C	1	(1)	83.0	2563	305	.55	343	9.5	11.4	12.4	13.4	14.4	15.3	17.3
-2			79.6	2236	282	.510	318	9.7	12.0	13.1	14.2	15.3	16.4	18.7	
-4			75.9	1963	259	.470	293	9.8	12.4	13.6	14.9	16.2	17.5	20.0	
-5			72.3	1719	237	.430	268	9.8	12.7	14.1	15.6	17.1	18.5	21.4	
-7	(2)	68.9	1517	216	.39	244	9.5	12.8	14.4	16.1	17.7	19.4	22.7		
28000	ISA+20°C 15°C	32	(1)	87.3	2754	305	.55	362	9.5	11.3	12.3	13.2	14.1	15.0	16.8
		30		83.7	2401	282	.510	335	9.8	11.9	12.9	14.0	15.0	16.1	18.1
		28		79.8	2105	259	.470	309	9.9	12.3	13.5	14.7	15.9	17.1	19.4
		26		76.0	1839	237	.430	283	10.0	12.7	14.0	15.4	16.8	18.1	20.8
	24	(2)	72.0	1595	213	.39	255	9.7	12.8	14.4	16.0	17.5	19.1	22.2	
	ISA+10°C 5°C	22	(1)	85.9	2687	305	.55	356	9.5	11.4	12.3	13.3	14.2	15.1	17.0
		19		82.3	2344	282	.510	330	9.8	11.9	13.0	14.1	15.1	16.2	18.3
		17		78.5	2054	259	.470	304	9.9	12.4	13.6	14.8	16.0	17.2	19.7
		15		74.7	1795	237	.430	278	9.9	12.7	14.1	15.5	16.9	18.3	21.1
	14	(2)	70.9	1565	214	.39	252	9.7	12.9	14.5	16.1	17.7	19.3	22.5	
	ISA+0°C -5°C	11	(1)	84.4	2622	305	.55	350	9.5	11.4	12.4	13.3	14.3	15.2	17.2
		9		80.9	2286	282	.510	324	9.8	12.0	13.1	14.2	15.2	16.3	18.5
		7		77.2	2003	259	.470	298	9.9	12.4	13.6	14.9	16.1	17.4	19.9
		5		73.4	1752	237	.430	273	9.9	12.7	14.2	15.6	17.0	18.4	21.3
	3	(2)	69.4	1513	212	.39	245	9.6	12.9	14.5	16.2	17.8	19.5	22.8	
	ISA-10°C -15°C	1	(1)	82.9	2555	305	.55	343	9.5	11.5	12.5	13.4	14.4	15.4	17.3
-2			79.5	2227	282	.510	318	9.8	12.0	13.1	14.3	15.4	16.5	18.7	
-4			75.8	1953	259	.470	293	9.9	12.4	13.7	15.0	16.3	17.5	20.1	
-5			72.1	1707	237	.430	268	9.8	12.8	14.2	15.7	17.2	18.6	21.6	
-7	(2)	68.5	1493	214	.39	243	9.6	12.9	14.6	16.3	17.9	19.6	23.0		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 10000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								H E A D W I N D			Z E R O W I N D	T A I L W I N D				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
27000	ISA+20°C 15°C	32	(1)	87.2	2746	305	.55	362	9.6	11.4	12.3	13.2	14.1	15.0	16.8	
		30		83.5	2393	282	.510	335	9.8	11.9	13.0	14.0	15.1	16.1	18.2	
		28		79.7	2095	259	.470	309	10.0	12.4	13.6	14.8	16.0	17.2	19.5	
		26		75.8	1827	237	.430	283	10.0	12.8	14.1	15.5	16.9	18.2	21.0	
		24	(2)	71.5	1571	212	.38	254	9.8	13.0	14.5	16.1	17.7	19.3	22.5	
		22	(1)	85.8	2679	305	.55	356	9.6	11.4	12.4	13.3	14.2	15.2	17.0	
	ISA+10°C 5°C	19		82.1	2335	282	.510	330	9.8	12.0	13.0	14.1	15.2	16.3	18.4	
		17		78.3	2044	259	.470	304	10.0	12.4	13.6	14.9	16.1	17.3	19.8	
		15		74.6	1784	237	.430	278	10.0	12.8	14.2	15.6	17.0	18.4	21.2	
		13	(2)	70.1	1525	211	.38	248	9.7	13.0	14.6	16.3	17.9	19.5	22.8	
		11	(1)	84.3	2614	305	.55	350	9.6	11.5	12.4	13.4	14.3	15.3	17.2	
		9		80.8	2278	282	.510	324	9.8	12.0	13.1	14.2	15.3	16.4	18.6	
	ISA+0°C -5°C	7		77.0	1994	259	.470	298	10.0	12.5	13.7	15.0	16.2	17.5	20.0	
		5		73.3	1741	237	.430	273	9.9	12.8	14.3	15.7	17.1	18.6	21.4	
		3	(2)	68.7	1479	210	.38	242	9.6	13.0	14.7	16.4	18.1	19.7	23.1	
		1	(1)	82.8	2547	305	.55	343	9.5	11.5	12.5	13.5	14.5	15.4	17.4	
		-2		79.3	2219	282	.510	318	9.8	12.1	13.2	14.3	15.4	16.6	18.8	
		-4		75.6	1944	259	.470	293	9.9	12.5	13.8	15.1	16.3	17.6	20.2	
	ISA-10°C -15°C	-5		72.0	1696	237	.430	268	9.9	12.9	14.3	15.8	17.3	18.7	21.7	
		-7	(2)	68.0	1466	213	.39	241	9.6	13.0	14.7	16.4	18.1	19.8	23.3	
		32	(1)	87.1	2730	305	.55	362	9.6	11.4	12.4	13.3	14.2	15.1	16.9	
30			83.3	2376	282	.510	335	9.9	12.0	13.1	14.1	15.2	16.2	18.3		
28			79.4	2075	259	.470	309	10.1	12.5	13.7	14.9	16.1	17.3	19.7		
26			75.5	1804	237	.430	283	10.2	12.9	14.3	15.7	17.1	18.5	21.2		
25000	ISA+20°C 15°C	23	(2)	70.6	1516	209	.38	250	9.9	13.2	14.8	16.5	18.1	19.8	23.1	
		22	(1)	85.6	2664	305	.55	356	9.6	11.5	12.4	13.4	14.3	15.2	17.1	
		19		81.9	2319	282	.510	330	9.9	12.1	13.1	14.2	15.3	16.4	18.5	
		17		78.1	2025	259	.470	304	10.1	12.5	13.8	15.0	16.2	17.5	19.9	
		15		74.2	1763	237	.430	278	10.1	12.9	14.4	15.8	17.2	18.6	21.5	
		13	(2)	68.7	1458	206	.37	242	9.7	13.2	14.9	16.6	18.3	20.0	23.5	
	ISA+10°C 5°C	11	(1)	84.2	2599	305	.55	350	9.6	11.5	12.5	13.5	14.4	15.4	17.3	
		9		80.6	2262	282	.510	324	9.9	12.1	13.2	14.3	15.4	16.5	18.7	
		7		76.7	1975	259	.470	298	10.0	12.6	13.8	15.1	16.4	17.6	20.2	
		5		72.9	1720	237	.430	273	10.1	13.0	14.4	15.9	17.3	18.8	21.7	
		3	(2)	67.7	1428	207	.38	239	9.7	13.2	14.9	16.7	18.4	20.2	23.7	
		1	(1)	82.7	2533	305	.55	343	9.6	11.6	12.6	13.5	14.5	15.5	17.5	
	ISA+0°C -5°C	-2		79.1	2204	282	.510	318	9.9	12.1	13.3	14.4	15.5	16.7	18.9	
		-4		75.4	1926	259	.470	293	10.0	12.6	13.9	15.2	16.5	17.8	20.4	
		-5		71.6	1676	237	.430	268	10.0	13.0	14.5	16.0	17.5	19.0	22.0	
		-8	(2)	66.6	1397	207	.38	235	9.6	13.2	15.0	16.8	18.6	20.4	24.0	
		32	(1)	86.9	2716	305	.55	362	9.7	11.5	12.4	13.3	14.3	15.2	17.0	
		30		83.1	2361	282	.510	335	10.0	12.1	13.2	14.2	15.3	16.3	18.4	
	23000	ISA+20°C 15°C	27		78.1	1986	254	.460	303	10.2	12.7	14.0	15.2	16.5	17.8	20.3
			25		73.1	1662	226	.410	270	10.2	13.2	14.7	16.2	17.8	19.3	22.3
			23	(2)	68.8	1441	203	.37	243	9.9	13.4	15.1	16.8	18.6	20.3	23.8
22			(1)	85.5	2650	305	.55	356	9.7	11.6	12.5	13.4	14.4	15.3	17.2	
19				81.7	2305	282	.510	330	10.0	12.1	13.2	14.3	15.4	16.5	18.6	
17				76.8	1938	254	.460	297	10.2	12.8	14.1	15.3	16.6	17.9	20.5	
ISA+10°C 5°C		14		71.9	1623	226	.410	265	10.2	13.3	14.8	16.3	17.9	19.4	22.5	
		13	(2)	67.6	1403	202	.37	238	9.8	13.4	15.2	17.0	18.7	20.5	24.1	
		11	(1)	84.0	2586	305	.55	350	9.7	11.6	12.6	13.5	14.5	15.5	17.4	
		9		80.4	2247	282	.510	324	10.0	12.2	13.3	14.4	15.5	16.6	18.9	
		6		75.5	1891	254	.460	292	10.2	12.8	14.1	15.4	16.8	18.1	20.7	
		4	(2)	70.7	1583	226	.410	261	10.1	13.3	14.9	16.5	18.0	19.6	22.8	
ISA+0°C -5°C		2		66.7	1378	203	.37	235	9.8	13.4	15.2	17.0	18.9	20.7	24.3	
		1	(1)	82.5	2519	305	.55	343	9.6	11.6	12.6	13.6	14.6	15.6	17.6	
		-2		78.0	2118	276	.500	311	10.0	12.3	13.5	14.7	15.9	17.1	19.4	
		-4		73.2	1779	248	.450	280	10.1	12.9	14.4	15.8	17.2	18.6	21.4	
		-7		68.4	1491	220	.400	249	10.0	13.4	15.1	16.7	18.4	20.1	23.4	
		-8	(2)	65.1	1334	202	.37	229	9.7	13.4	15.3	17.2	19.0	20.9	24.6	
20000		ISA+20°C 15°C	32	(1)	86.7	2697	305	.55	362	9.7	11.6	12.5	13.4	14.4	15.3	17.1
			29		81.8	2262	276	.500	329	10.1	12.3	13.4	14.5	15.6	16.8	19.0
			27		76.7	1891	248	.450	296	10.4	13.0	14.3	15.7	17.0	18.3	20.9
	24			71.5	1574	220	.400	264	10.4	13.6	15.2	16.7	18.3	19.9	23.1	
	22		(2)	66.2	1327	193	.35	231	9.9	13.7	15.5	17.4	19.3	21.2	25.0	
	22		(1)	85.3	2631	305	.55	356	9.7	11.6	12.6	13.5	14.5	15.4	17.3	
	ISA+10°C 5°C	19		80.5	2207	276	.500	323	10.1	12.4	13.5	14.6	15.8	16.9	19.2	
		16		75.5	1846	248	.450	291	10.4	13.1	14.4	15.8	17.1	18.5	21.2	
		14		70.4	1537	220	.400	259	10.3	13.6	15.2	16.9	18.5	20.1	23.4	
		12	(2)	65.3	1304	194	.35	228	9.8	13.7	15.6	17.5	19.4	21.4	25.2	
		11	(1)	83.8	2567	305	.55	350	9.7	11.7	12.6	13.6	14.6	15.6	17.5	
		8		79.1	2152	276	.500	317	10.1	12.4	13.6	14.7	15.9	17.1	19.4	
	ISA+0°C -5°C	6		74.2	1801	248	.450	286	10.3	13.1	14.5	15.9	17.3	18.6	21.4	
		4		69.1	1501	220	.400	254	10.3	13.6	15.3	16.9	18.6	20.3	23.6	
		2	(2)	64.1	1273	194	.35	224	9.8	13.7	15.7	17.6	19.6	21.5	25.5	
		1	(1)	82.4	2501	305	.55	343	9.7	11.7	12.7	13.7	14.7	15.7	17.7	
		-2		77.7	2098	276	.500	311	10.1	12.5	13.6	14.8	16.0	17.2	19.6	
		-4		72.8	1756	248	.450	280	10.3	13.1	14.5	16.0	17.4	18.8	21.7	
	ISA-10°C -15°C	-7		67.9	1462	220	.400	249	10.2	13.6	15.4	17.1	18.8	20.5	23.9	
		-8	(2)	63.3	1254	196	.36	222	9.7	13.7	15.7	17.7	19.7	21.7	25.7	

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
5°C	-5°C	-15°C
85.9	84.4	82.9

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 13%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 15000 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C 5°C	25	(1)	90.9	2694	305	.60	390	10.8	12.6	13.6	14.5	15.4	16.3	18.2
		23		87.6	2373	282	.560	362	11.0	13.1	14.2	15.3	16.3	17.4	19.5
		20		84.4	2092	261	.520	336	11.3	13.7	14.9	16.1	17.3	18.5	20.8
		18		81.0	1853	241	.480	310	11.4	14.1	15.4	16.8	18.1	19.5	22.1
		15		76.4	1580	213	.43	275	11.1	14.3	15.8	17.4	19.0	20.6	23.7
		15	(2)	76.4	1580	213	.43	275	11.1	14.3	15.8	17.4	19.0	20.6	23.7
	ISA+10°C -5°C	15	(1)	89.4	2650	305	.60	383	10.7	12.6	13.5	14.5	15.4	16.3	18.2
		12		86.1	2313	282	.560	355	11.0	13.2	14.3	15.4	16.4	17.5	19.7
		10		82.9	2039	261	.520	330	11.3	13.7	15.0	16.2	17.4	18.6	21.1
		8		79.6	1807	241	.480	305	11.3	14.1	15.5	16.9	18.2	19.6	22.4
		5		75.2	1552	214	.43	272	11.1	14.3	15.9	17.5	19.1	20.7	24.0
		5	(2)	75.2	1552	214	.43	272	11.1	14.3	15.9	17.5	19.1	20.7	24.0
	ISA+0°C -15°C	4	(1)	87.8	2582	305	.60	376	10.7	12.6	13.6	14.6	15.5	16.5	18.4
		1		84.6	2256	282	.560	349	11.0	13.2	14.4	15.5	16.6	17.7	19.9
		-1		81.5	1988	261	.520	324	11.3	13.8	15.0	16.3	17.5	18.8	21.3
		-3		78.2	1760	241	.480	299	11.3	14.1	15.6	17.0	18.4	19.8	22.7
		-5		74.1	1520	215	.43	268	11.0	14.3	16.0	17.6	19.3	20.9	24.2
		-5	(2)	74.1	1520	215	.43	268	11.0	14.3	16.0	17.6	19.3	20.9	24.2
ISA-10°C -25°C	-7	(1)	86.2	2515	305	.60	369	10.7	12.7	13.7	14.7	15.7	16.6	18.6	
	-9		83.0	2195	282	.560	342	11.0	13.3	14.4	15.6	16.7	17.9	20.1	
	-11		80.0	1934	261	.520	317	11.2	13.8	15.1	16.4	17.7	19.0	21.6	
	-13		76.7	1713	241	.480	293	11.3	14.2	15.7	17.1	18.6	20.0	23.0	
	-16		72.6	1476	215	.43	262	11.0	14.4	16.1	17.7	19.4	21.1	24.5	
	-16	(2)	72.6	1476	215	.43	262	11.0	14.4	16.1	17.7	19.4	21.1	24.5	
30000	ISA+20°C 5°C	25	(1)	90.9	2688	305	.60	390	10.8	12.7	13.6	14.5	15.5	16.4	18.2
		23		87.5	2364	282	.560	362	11.1	13.2	14.2	15.3	16.4	17.4	19.5
		20		83.4	2018	256	.510	330	11.4	13.9	15.1	16.3	17.6	18.8	21.3
		17		79.1	1736	231	.460	298	11.4	14.3	15.7	17.1	18.6	20.0	22.9
		15		75.7	1545	210	.42	272	11.1	14.4	16.0	17.6	19.2	20.8	24.1
		15	(2)	75.7	1545	210	.42	272	11.1	14.4	16.0	17.6	19.2	20.8	24.1
	ISA+10°C -5°C	15	(1)	89.3	2643	305	.60	383	10.7	12.6	13.6	14.5	15.4	16.4	18.3
		12		86.0	2305	282	.560	355	11.1	13.2	14.3	15.4	16.5	17.6	19.8
		9		82.0	1969	256	.510	324	11.4	13.9	15.2	16.4	17.7	19.0	21.5
		7		77.7	1693	231	.460	292	11.3	14.3	15.8	17.3	18.7	20.2	23.2
		5		74.7	1521	212	.42	269	11.1	14.4	16.0	17.7	19.3	21.0	24.3
		5	(2)	74.7	1521	212	.42	269	11.1	14.4	16.0	17.7	19.3	21.0	24.3
	ISA+0°C -15°C	4	(1)	87.7	2575	305	.60	376	10.7	12.7	13.6	14.6	15.6	16.5	18.5
		1		84.5	2248	282	.560	349	11.1	13.3	14.4	15.5	16.6	17.7	20.0
		-1		81.3	1980	261	.520	324	11.3	13.8	15.1	16.4	17.6	18.9	21.4
		-3		78.0	1751	241	.480	299	11.4	14.2	15.7	17.1	18.5	19.9	22.8
		-5		73.5	1491	213	.43	265	11.1	14.4	16.1	17.8	19.5	21.2	24.5
		-5	(2)	73.5	1491	213	.43	265	11.1	14.4	16.1	17.8	19.5	21.2	24.5
ISA-10°C -25°C	-7	(1)	86.1	2508	305	.60	369	10.7	12.7	13.7	14.7	15.7	16.7	18.7	
	-9		82.9	2187	282	.560	342	11.1	13.3	14.5	15.6	16.8	17.9	20.2	
	-11		79.8	1925	261	.520	317	11.3	13.9	15.2	16.5	17.8	19.1	21.7	
	-13		76.6	1704	241	.480	293	11.3	14.3	15.7	17.2	18.7	20.1	23.1	
	-16		72.0	1447	212	.42	259	11.0	14.5	16.2	17.9	19.6	21.4	24.8	
	-16	(2)	72.0	1447	212	.42	259	11.0	14.5	16.2	17.9	19.6	21.4	24.8	
29000	ISA+20°C 5°C	25	(1)	90.8	2680	305	.60	390	10.8	12.7	13.6	14.6	15.5	16.4	18.3
		23		87.4	2354	282	.560	362	11.1	13.3	14.3	15.4	16.4	17.5	19.6
		20		83.2	2007	256	.510	330	11.4	13.9	15.2	16.4	17.7	18.9	21.4
		17		78.8	1722	231	.460	298	11.5	14.4	15.8	17.3	18.7	20.2	23.1
		15		74.9	1503	207	.41	268	11.2	14.5	16.2	17.8	19.5	21.2	24.5
		15	(2)	74.9	1503	207	.41	268	11.2	14.5	16.2	17.8	19.5	21.2	24.5
	ISA+10°C -5°C	15	(1)	89.2	2634	305	.60	383	10.8	12.6	13.6	14.5	15.5	16.4	18.3
		12		85.9	2295	282	.560	355	11.1	13.3	14.4	15.5	16.6	17.7	19.8
		9		81.8	1957	256	.510	324	11.4	14.0	15.3	16.5	17.8	19.1	21.6
		7		77.5	1680	231	.460	292	11.4	14.4	15.9	17.4	18.9	20.4	23.3
		5		74.0	1483	209	.42	266	11.2	14.5	16.2	17.9	19.6	21.3	24.7
		5	(2)	74.0	1483	209	.42	266	11.2	14.5	16.2	17.9	19.6	21.3	24.7
	ISA+0°C -15°C	4	(1)	87.6	2566	305	.60	376	10.8	12.7	13.7	14.7	15.6	16.6	18.6
		1		84.4	2238	282	.560	349	11.1	13.3	14.5	15.6	16.7	17.8	20.1
		-1		80.4	1906	256	.510	318	11.4	14.0	15.3	16.7	18.0	19.3	21.9
		-4		76.1	1637	231	.460	287	11.4	14.5	16.0	17.5	19.0	20.6	23.6
		-6		72.8	1453	210	.42	262	11.1	14.6	16.3	18.0	19.8	21.5	24.9
		-6	(2)	72.8	1453	210	.42	262	11.1	14.6	16.3	18.0	19.8	21.5	24.9
ISA-10°C -25°C	-7	(1)	86.0	2500	305	.60	369	10.7	12.7	13.7	14.7	15.7	16.7	18.7	
	-9		82.8	2178	282	.560	342	11.1	13.4	14.6	15.7	16.8	18.0	20.3	
	-12		78.9	1856	256	.510	311	11.4	14.1	15.4	16.8	18.1	19.5	22.2	
	-14		74.7	1593	231	.460	281	11.4	14.5	16.1	17.6	19.2	20.8	23.9	
	-16		71.3	1409	209	.42	256	11.1	14.6	16.4	18.2	19.9	21.7	25.2	
	-16	(2)	71.3	1409	209	.42	256	11.1	14.6	16.4	18.2	19.9	21.7	25.2	
28000	ISA+20°C 5°C	25	(1)	90.7	2672	305	.60	390	10.9	12.7	13.7	14.6	15.5	16.5	18.3
		23		87.3	2344	282	.560	362	11.2	13.3	14.4	15.4	16.5	17.6	19.7
		20		83.1	1996	256	.510	330	11.5	14.0	15.3	16.5	17.8	19.0	21.5
		17		78.6	1709	231	.460	298	11.6	14.5	15.9	17.4	18.9	20.3	23.3
		15		74.3	1471	205	.41	266	11.3	14.7	16.4	18.1	19.8	21.5	24.9
		15	(2)	74.3	1471	205	.41	266	11.3	14.7	16.4	18.1	19.8	21.5	24.9
	ISA+10°C -5°C	15	(1)	89.1	2626	305	.60	383	10.8	12.7	13.6	14.6	15.5	16.5	18.4
		12		85.7	2285	282	.560	355	11.2	13.4	14.5	15.5	16.6	17.7	19.9
		9		81.6	1947	256	.510	324	11.5	14.1	15.3	16.6	17.9	19.2	21.8
		7		77.3	1667	231	.460	292	11.5	14.5	16.0	17.5	19.0	20.5	23.5
		4		73.2	1444	206	.41	262	11.2	14.7	16.4	18.2	19.9	21.6	25.1
		4	(2)	73.2	1444	206	.41	262	11.2	14.7	16.4	18.			

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 15000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								H E A D W I N D			Z E R O W I N D	T A I L W I N D			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C 5°C	25	(1)	90.6	2665	305	.60	390	10.9	12.8	13.7	14.6	15.6	16.5	18.4
		22		86.3	2260	277	.550	355	11.3	13.5	14.6	15.7	16.8	17.9	20.2
		19		82.0	1924	251	.500	323	11.6	14.2	15.5	16.8	18.1	19.4	22.0
		16		77.5	1644	225	.450	291	11.6	14.7	16.2	17.7	19.2	20.7	23.8
		14	(2)	73.7	1439	203	.41	263	11.3	14.8	16.6	18.3	20.0	21.8	25.2
	ISA+10°C -5°C	15	(1)	89.0	2617	305	.60	383	10.8	12.7	13.7	14.6	15.6	16.6	18.5
		11		84.8	2204	277	.550	349	11.3	13.6	14.7	15.8	17.0	18.1	20.4
		9		80.6	1875	251	.500	317	11.6	14.3	15.6	16.9	18.3	19.6	22.3
		6		76.1	1604	225	.450	286	11.6	14.7	16.3	17.8	19.4	20.9	24.1
		4	(2)	72.4	1401	203	.41	258	11.3	14.8	16.6	18.4	20.2	22.0	25.5
	ISA+0°C -15°C	4	(1)	87.5	2549	305	.60	376	10.8	12.8	13.8	14.7	15.7	16.7	18.7
		1		83.3	2148	277	.550	342	11.3	13.6	14.8	15.9	17.1	18.3	20.6
		-2		79.2	1827	251	.500	311	11.6	14.3	15.7	17.0	18.4	19.8	22.5
		-4		74.8	1563	225	.450	280	11.5	14.7	16.3	17.9	19.5	21.1	24.3
		-6	(2)	71.1	1367	203	.41	253	11.2	14.9	16.7	18.5	20.4	22.2	25.8
	ISA-10°C -25°C	-7	(1)	85.9	2483	305	.60	369	10.8	12.8	13.8	14.8	15.9	16.9	18.9
		-10		81.8	2091	277	.550	336	11.3	13.7	14.9	16.1	17.3	18.4	20.8
		-12		77.7	1778	251	.500	305	11.5	14.4	15.8	17.2	18.6	20.0	22.8
		-15		73.4	1522	225	.450	275	11.5	14.8	16.4	18.1	19.7	21.3	24.6
		-17	(2)	69.8	1335	203	.41	249	11.1	14.9	16.8	18.6	20.5	22.4	26.1
25000	ISA+20°C 5°C	25	(1)	90.4	2651	305	.60	390	11.0	12.8	13.8	14.7	15.7	16.6	18.5
		22		86.1	2241	277	.550	355	11.4	13.6	14.7	15.9	17.0	18.1	20.3
		19		81.7	1903	251	.500	323	11.7	14.4	15.7	17.0	18.3	19.6	22.2
		16		77.0	1620	225	.450	291	11.8	14.9	16.4	18.0	19.5	21.1	24.1
		14	(2)	72.4	1373	199	.40	258	11.5	15.1	17.0	18.8	20.6	22.4	26.1
	ISA+10°C -5°C	15	(1)	88.9	2601	305	.60	383	10.9	12.8	13.8	14.7	15.7	16.7	18.6
		11		84.6	2186	277	.550	349	11.4	13.7	14.8	16.0	17.1	18.3	20.5
		9		80.3	1855	251	.500	317	11.7	14.4	15.8	17.1	18.5	19.8	22.5
		6		75.7	1580	225	.450	286	11.8	14.9	16.5	18.1	19.7	21.3	24.4
		4	(2)	70.9	1332	198	.40	252	11.4	15.1	17.0	18.9	20.8	22.6	26.4
	ISA+0°C -15°C	4	(1)	87.3	2534	305	.60	376	10.9	12.9	13.9	14.8	15.8	16.8	18.8
		1		83.1	2130	277	.550	342	11.4	13.7	14.9	16.1	17.3	18.4	20.8
		-2		78.9	1807	251	.500	311	11.7	14.5	15.8	17.2	18.6	20.0	22.8
		-4		74.3	1539	225	.450	280	11.7	15.0	16.6	18.2	19.8	21.5	24.7
		-7	(2)	69.8	1305	199	.40	248	11.3	15.2	17.1	19.0	20.9	22.8	26.7
	ISA-10°C -25°C	-7	(1)	85.7	2469	305	.60	369	10.9	12.9	13.9	14.9	15.9	17.0	19.0
		-10		81.6	2074	277	.550	336	11.4	13.8	15.0	16.2	17.4	18.6	21.0
		-12		77.4	1759	251	.500	305	11.7	14.5	15.9	17.4	18.8	20.2	23.0
		-15		73.0	1499	225	.450	275	11.7	15.0	16.7	18.3	20.0	21.7	25.0
		-17	(2)	68.1	1257	197	.39	241	11.2	15.2	17.2	19.2	21.2	23.1	27.1
23000	ISA+20°C 5°C	25	(1)	90.3	2638	305	.60	390	11.0	12.9	13.8	14.8	15.7	16.7	18.6
		22		85.9	2224	277	.550	355	11.5	13.7	14.9	16.0	17.1	18.2	20.5
		19		81.4	1885	251	.500	323	11.8	14.5	15.8	17.2	18.5	19.8	22.5
		16		76.6	1597	225	.450	291	12.0	15.1	16.7	18.2	19.8	21.4	24.5
		14	(2)	70.8	1302	194	.39	251	11.6	15.4	17.4	19.3	21.2	23.1	27.0
	ISA+10°C -5°C	15	(1)	88.7	2587	305	.60	383	10.9	12.9	13.8	14.8	15.8	16.7	18.7
		11		84.4	2169	277	.550	349	11.5	13.8	14.9	16.1	17.2	18.4	20.7
		9		80.0	1837	251	.500	317	11.8	14.6	15.9	17.3	18.6	20.0	22.7
		6		75.3	1558	225	.450	286	11.9	15.1	16.7	18.3	20.0	21.6	24.8
		3	(2)	69.7	1278	195	.39	248	11.5	15.5	17.4	19.4	21.3	23.3	27.2
	ISA+0°C -15°C	4	(1)	87.1	2520	305	.60	376	11.0	12.9	13.9	14.9	15.9	16.9	18.9
		1		82.9	2113	277	.550	342	11.5	13.8	15.0	16.2	17.4	18.6	20.9
		-2		78.6	1789	251	.500	311	11.8	14.6	16.0	17.4	18.8	20.2	23.0
		-4		73.9	1518	225	.450	280	11.9	15.2	16.8	18.5	20.1	21.8	25.1
		-7	(2)	68.5	1244	194	.39	243	11.5	15.5	17.5	19.5	21.5	23.5	27.5
	ISA-10°C -25°C	-7	(1)	85.5	2455	305	.60	369	10.9	13.0	14.0	15.0	16.0	17.1	19.1
		-10		81.4	2057	277	.550	336	11.5	13.9	15.1	16.3	17.5	18.7	21.2
		-12		77.1	1742	251	.500	305	11.8	14.7	16.1	17.5	19.0	20.4	23.3
		-15		72.6	1479	225	.450	275	11.8	15.2	16.9	18.6	20.3	22.0	25.4
		-17	(2)	67.1	1210	194	.39	238	11.4	15.5	17.6	19.6	21.7	23.8	27.9
20000	ISA+20°C 5°C	25	(1)	90.1	2620	305	.60	390	11.1	13.0	13.9	14.9	15.9	16.8	18.7
		22		85.6	2201	277	.550	355	11.6	13.9	15.0	16.2	17.3	18.4	20.7
		19		80.0	1798	246	.490	317	12.1	14.8	16.2	17.6	19.0	20.4	23.2
		15		74.1	1462	215	.430	278	12.2	15.6	17.3	19.0	20.7	22.5	25.9
		13	(2)	69.1	1226	189	.38	245	11.8	15.9	18.0	20.0	22.0	24.1	28.2
	ISA+10°C -5°C	15	(1)	88.5	2567	305	.60	383	11.0	13.0	14.0	14.9	15.9	16.9	18.8
		11		84.1	2147	277	.550	349	11.6	13.9	15.1	16.3	17.4	18.6	20.9
		8		78.6	1753	246	.490	311	12.0	14.9	16.3	17.7	19.2	20.6	23.5
		5		72.8	1425	215	.430	273	12.2	15.7	17.4	19.2	20.9	22.7	26.2
		3	(2)	67.4	1182	187	.37	238	11.7	15.9	18.0	20.1	22.3	24.4	28.6
	ISA+0°C -15°C	4	(1)	86.9	2501	305	.60	376	11.0	13.0	14.0	15.0	16.0	17.0	19.0
		1		82.6	2091	277	.550	342	11.6	14.0	15.2	16.4	17.6	18.8	21.2
		-2		77.2	1707	246	.490	305	12.0	15.0	16.4	17.9	19.3	20.8	23.7
		-5		71.5	1389	215	.430	268	12.1	15.7	17.5	19.3	21.1	22.9	26.5
		-8	(2)	66.0	1149	186	.37	233	11.6	15.9	18.1	20.3	22.4	24.6	29.0
	ISA-10°C -25°C	-7	(1)	85.4	2436	305	.60	369	11.0	13.1	14.1	15.1	16.2	17.2	19.2
		-10		81.1	2036	277	.550	336	11.6	14.0	15.3	16.5	17.7	18.9	21.4
		-13		75.7	1662	246	.490	299	12.0	15.0	16.5	18.0	19.5	21.0	24.0
		-16		70.2	1354	215	.430	263	12.0	15.7	17.6	19.4	21.3	23.1	26.8
		-18	(2)	65.2	1132	188	.38	231	11.5	16.0	18.2	20.4	22.6	24.8	29.2

68PPA-01-01

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-5°C	-15°C	-25°C
89.3	87.7	86.0

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 17000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C 1°C	23	(1)	92.3	2668	305	.63	402	11.3	13.2	14.1	15.1	16.0	16.9	18.8
		20		88.9	2342	281	.580	372	11.6	13.8	14.8	15.9	17.0	18.0	20.2
		17		85.1	2010	256	.530	340	11.9	14.4	15.7	16.9	18.2	19.4	21.9
		14		81.0	1733	231	.480	308	12.0	14.9	16.3	17.8	19.2	20.7	23.6
		12	(2)	78.1	1565	213	.44	285	11.8	15.0	16.6	18.2	19.8	21.4	24.6
		9		80.6	1666	231	.480	302	12.2	15.2	16.7	18.2	19.7	21.2	24.2
	ISA+10°C -9°C	12	(1)	90.6	2624	305	.63	395	11.2	13.1	14.1	15.0	16.0	17.0	18.9
		9		87.4	2283	281	.580	365	11.6	13.8	14.9	16.0	17.1	18.2	20.4
		6		83.6	1960	256	.530	334	11.9	14.5	15.8	17.0	18.3	19.6	22.1
		3		79.7	1689	231	.480	302	12.0	15.0	16.4	17.9	19.4	20.9	23.8
		2	(2)	76.7	1526	213	.44	280	11.8	15.0	16.7	18.3	20.0	21.6	24.9
		1		81.5	1815	256	.530	321	11.9	14.6	15.9	17.3	18.6	20.0	22.7
	ISA+0°C -19°C	1	(1)	89.0	2556	305	.63	387	11.2	13.2	14.2	15.2	16.1	17.1	19.1
		-2		85.8	2225	281	.580	358	11.6	13.9	15.0	16.1	17.2	18.4	20.6
		-5		82.1	1909	256	.530	327	11.9	14.5	15.8	17.2	18.5	19.8	22.4
		-7		78.2	1644	231	.480	297	12.0	15.0	16.5	18.0	19.6	21.1	24.1
		-9	(2)	75.3	1486	213	.44	274	11.7	15.1	16.8	18.5	20.1	21.8	25.2
		-1		89.0	2549	305	.63	387	11.3	13.2	14.2	15.2	16.2	17.2	19.1
ISA-10°C -29°C	-10	(1)	87.4	2487	305	.63	380	11.2	13.3	14.3	15.3	16.3	17.3	19.3	
	-12		84.2	2164	281	.580	351	11.6	13.9	15.1	16.2	17.4	18.5	20.8	
	-15		80.5	1858	256	.530	321	11.9	14.6	15.9	17.3	18.6	20.0	22.7	
	-18		76.7	1602	231	.480	291	11.9	15.0	16.6	18.2	19.7	21.3	24.4	
	-19	(2)	73.9	1450	214	.44	269	11.7	15.1	16.8	18.6	20.3	22.0	25.5	
	-1		89.0	2549	305	.63	387	11.3	13.2	14.2	15.2	16.2	17.2	19.1	
30000	ISA+20°C 1°C	23	(1)	92.2	2661	305	.63	402	11.4	13.2	14.2	15.1	16.1	17.0	18.9
		20		88.8	2334	281	.580	372	11.7	13.8	14.9	15.9	17.0	18.1	20.2
		17		84.9	2000	256	.530	340	12.0	14.5	15.8	17.0	18.3	19.5	22.0
		14		80.8	1722	231	.480	308	12.1	15.0	16.4	17.9	19.3	20.8	23.7
		12	(2)	77.4	1529	211	.44	281	11.8	15.1	16.8	18.4	20.0	21.7	24.9
		9		83.5	1951	256	.530	334	12.0	14.6	15.8	17.1	18.4	19.7	22.2
	ISA+10°C -9°C	12	(1)	90.6	2617	305	.63	395	11.3	13.2	14.1	15.1	16.0	17.0	18.9
		9		87.3	2275	281	.580	365	11.7	13.9	15.0	16.1	17.2	18.3	20.5
		6		83.5	1951	256	.530	334	12.0	14.6	15.8	17.1	18.4	19.7	22.2
		3		79.5	1679	231	.480	302	12.1	15.0	16.5	18.0	19.5	21.0	24.0
		1	(2)	76.1	1496	211	.44	277	11.8	15.2	16.8	18.5	20.2	21.8	25.2
		1		89.0	2549	305	.63	387	11.3	13.2	14.2	15.2	16.2	17.2	19.1
	ISA+0°C -19°C	-2	(1)	85.7	2217	281	.580	358	11.7	13.9	15.0	16.2	17.3	18.4	20.7
		-5		82.0	1899	256	.530	327	12.0	14.6	15.9	17.2	18.6	19.9	22.5
		-7		78.0	1634	231	.480	297	12.0	15.1	16.6	18.2	19.7	21.2	24.3
		-9	(2)	74.7	1453	211	.44	271	11.8	15.2	16.9	18.6	20.4	22.1	25.5
		-1		89.0	2549	305	.63	387	11.3	13.2	14.2	15.2	16.2	17.2	19.1
		-10	(1)	87.3	2480	305	.63	380	11.3	13.3	14.3	15.3	16.3	17.3	19.3
ISA-10°C -29°C	-12		84.1	2157	281	.580	351	11.7	14.0	15.1	16.3	17.4	18.6	20.9	
	-15		80.4	1848	256	.530	321	12.0	14.7	16.0	17.4	18.7	20.1	22.8	
	-18		76.5	1592	231	.480	291	12.0	15.1	16.7	18.3	19.8	21.4	24.6	
	-19	(2)	73.4	1423	212	.44	267	11.7	15.2	17.0	18.8	20.5	22.3	25.8	
	-1		89.0	2549	305	.63	387	11.3	13.2	14.2	15.2	16.2	17.2	19.1	
	-10	(1)	87.2	2472	305	.63	380	11.3	13.3	14.3	15.4	16.4	17.4	19.4	
29000	ISA+20°C 1°C	23	(1)	92.1	2651	305	.63	402	11.4	13.3	14.2	15.2	16.1	17.1	18.9
		20		88.7	2323	281	.580	372	11.7	13.9	14.9	16.0	17.1	18.2	20.3
		17		84.8	1988	256	.530	340	12.1	14.6	15.9	17.1	18.4	19.6	22.1
		14		80.6	1709	231	.480	308	12.2	15.1	16.6	18.0	19.5	21.0	23.9
		11	(2)	76.5	1483	207	.43	277	11.9	15.3	17.0	18.6	20.3	22.0	25.4
		9		83.2	1939	256	.530	334	12.1	14.6	15.9	17.2	18.5	19.8	22.4
	ISA+10°C -9°C	12	(1)	90.5	2608	305	.63	395	11.3	13.2	14.2	15.1	16.1	17.1	19.0
		9		87.2	2265	281	.580	365	11.7	13.9	15.0	16.1	17.2	18.3	20.5
		6		83.3	1939	256	.530	334	12.1	14.6	15.9	17.2	18.5	19.8	22.4
		3		79.2	1666	231	.480	302	12.2	15.2	16.7	18.2	19.7	21.2	24.2
		1	(2)	75.4	1455	208	.43	273	11.9	15.3	17.0	18.8	20.5	22.2	25.6
		1		89.9	2540	305	.63	387	11.3	13.3	14.3	15.2	16.2	17.2	19.2
	ISA+0°C -19°C	-2	(1)	85.6	2207	281	.580	358	11.7	14.0	15.1	16.2	17.4	18.5	20.8
		-5		81.8	1888	256	.530	327	12.1	14.7	16.0	17.3	18.7	20.0	22.6
		-7		77.8	1622	231	.480	297	12.1	15.2	16.8	18.3	19.8	21.4	24.5
		-9	(2)	73.9	1412	208	.43	267	11.8	15.4	17.1	18.9	20.7	22.4	26.0
		-1		89.9	2540	305	.63	387	11.3	13.3	14.3	15.2	16.2	17.2	19.2
		-10	(1)	87.2	2472	305	.63	380	11.3	13.3	14.3	15.4	16.4	17.4	19.4
ISA-10°C -29°C	-12		84.0	2147	281	.580	351	11.7	14.0	15.2	16.4	17.5	18.7	21.0	
	-15		80.2	1837	256	.530	321	12.0	14.7	16.1	17.5	18.8	20.2	22.9	
	-18		76.2	1579	231	.480	291	12.1	15.2	16.8	18.4	20.0	21.6	24.7	
	-20	(2)	72.7	1387	209	.43	264	11.8	15.4	17.2	19.0	20.8	22.6	26.2	
	-1		89.9	2540	305	.63	387	11.3	13.3	14.3	15.2	16.2	17.2	19.2	
	-10	(1)	87.2	2472	305	.63	380	11.3	13.3	14.3	15.4	16.4	17.4	19.4	
28000	ISA+20°C 1°C	23	(1)	92.0	2642	305	.63	402	11.4	13.3	14.3	15.2	16.2	17.1	19.0
		20		88.5	2313	281	.580	372	11.8	13.9	15.0	16.1	17.2	18.3	20.4
		17		84.6	1976	256	.530	340	12.2	14.7	16.0	17.2	18.5	19.7	22.3
		14		80.4	1696	231	.480	308	12.3	15.2	16.7	18.2	19.6	21.1	24.1
		11	(2)	75.7	1444	204	.42	273	12.0	15.4	17.2	18.9	20.6	22.4	25.8
		9		83.1	1927	256	.530	334	12.1	14.7	16.0	17.3	18.6	19.9	22.5
	ISA+10°C -9°C	12	(1)	90.4	2599	305	.63	395	11.3	13.3	14.2	15.2	16.2	17.1	19.0
		9		87.0	2255	281	.580	365	11.8	14.0	15.1	16.2	17.3	18.4	20.6
		6		83.1	1927	256	.530	334	12.1	14.7	16.0	17.3	18.6	19.9	22.5
		3		79.0	1653	231	.480	302	12.2	15.3	16.8	18.3	19.8	21.3	24.3
		1	(2)	74.5	1411	205	.43	268	11.9	15.5	17.3	19.0	20.8	22.6	26.1
		1		89.8	2531	305	.63	387	11.3	13.3	14.3	15.3			

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 17000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL						
								H E A D W I N D			Z E R O W I N D	T A I L W I N D		
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT
27000	ISA+20°C 1°C	23 (1)	91.9	2634	305	.63	402	11.5	13.4	14.3	15.3	16.2	17.2	19.1
		19	87.7	2232	276	.570	366	11.9	14.1	15.3	16.4	17.5	18.6	20.9
		16	83.6	1904	251	.520	334	12.3	14.9	16.2	17.5	18.8	20.2	22.8
		13	79.3	1634	226	.470	302	12.4	15.4	16.9	18.5	20.0	21.5	24.6
		11 (2)	74.9	1406	202	.42	269	12.1	15.6	17.4	19.2	20.9	22.7	26.3
	ISA+10°C -9°C	12 (1)	90.3	2591	305	.63	395	11.4	13.3	14.3	15.2	16.2	17.2	19.1
		8	86.1	2176	276	.570	359	11.9	14.2	15.3	16.5	17.6	18.8	21.1
		5	82.2	1856	251	.520	328	12.3	15.0	16.3	17.6	19.0	20.3	23.0
		3	77.9	1593	226	.470	296	12.3	15.5	17.0	18.6	20.2	21.7	24.9
		0 (2)	73.5	1365	201	.42	264	12.0	15.6	17.5	19.3	21.1	23.0	26.6
	ISA+0°C -19°C	1 (1)	88.7	2523	305	.63	387	11.4	13.4	14.4	15.3	16.3	17.3	19.3
		-2	84.6	2120	276	.570	352	11.9	14.3	15.4	16.6	17.8	19.0	21.3
		-5	80.7	1805	251	.520	321	12.3	15.0	16.4	17.8	19.2	20.6	23.3
		-8	76.5	1551	226	.470	291	12.3	15.5	17.1	18.7	20.3	22.0	25.2
		-10 (2)	72.3	1334	201	.42	259	11.9	15.7	17.6	19.4	21.3	23.2	26.9
	ISA-10°C -29°C	-10 (1)	87.0	2455	305	.63	380	11.4	13.4	14.4	15.5	16.5	17.5	19.5
		-12	83.7	2128	281	.580	351	11.8	14.2	15.3	16.5	17.7	18.9	21.2
		-15	79.9	1816	256	.530	321	12.2	14.9	16.3	17.7	19.1	20.4	23.2
		-18	75.8	1556	231	.480	291	12.3	15.5	17.1	18.7	20.3	21.9	25.1
		-20 (2)	71.0	1305	202	.42	255	11.9	15.7	17.6	19.6	21.5	23.4	27.2
25000	ISA+20°C 1°C	23 (1)	91.7	2617	305	.63	402	11.5	13.5	14.4	15.4	16.3	17.3	19.2
		19	87.4	2212	276	.570	366	12.0	14.3	15.4	16.5	17.7	18.8	21.1
		16	83.3	1882	251	.520	334	12.4	15.1	16.4	17.7	19.1	20.4	23.0
		13	78.8	1609	226	.470	302	12.5	15.6	17.2	18.8	20.3	21.9	25.0
		10 (2)	73.4	1329	196	.41	262	12.2	16.0	17.8	19.7	21.6	23.5	27.3
	ISA+10°C -9°C	12 (1)	90.1	2575	305	.63	395	11.4	13.4	14.4	15.3	16.3	17.3	19.2
		8	85.9	2157	276	.570	359	12.0	14.3	15.5	16.6	17.8	19.0	21.3
		5	81.8	1834	251	.520	328	12.4	15.1	16.5	17.9	19.2	20.6	23.3
		3	77.4	1569	226	.470	296	12.5	15.7	17.3	18.9	20.5	22.1	25.3
		0 (2)	72.0	1293	196	.41	257	12.1	16.0	17.9	19.9	21.8	23.7	27.6
	ISA+0°C -19°C	1 (1)	88.5	2508	305	.63	387	11.5	13.4	14.4	15.4	16.4	17.4	19.4
		-2	84.4	2102	276	.570	352	12.0	14.4	15.6	16.8	17.9	19.1	21.5
		-5	80.4	1786	251	.520	321	12.4	15.2	16.6	18.0	19.4	20.8	23.6
		-8	76.0	1528	226	.470	291	12.5	15.7	17.4	19.0	20.7	22.3	25.6
		-10 (2)	70.9	1271	197	.41	254	12.1	16.0	18.0	20.0	21.9	23.9	27.8
	ISA-10°C -29°C	-10 (1)	86.9	2440	305	.63	380	11.5	13.5	14.5	15.6	16.6	17.6	19.7
		-13	82.8	2045	276	.570	345	12.0	14.4	15.7	16.9	18.1	19.3	21.8
		-16	78.0	1684	246	.510	309	12.4	15.4	16.9	18.3	19.8	21.3	24.3
		-19	72.8	1398	217	.450	273	12.4	15.9	17.7	19.5	21.3	23.1	26.7
		-21 (2)	69.1	1222	195	.41	246	11.9	16.0	18.1	20.1	22.2	24.2	28.3
23000	ISA+20°C 1°C	23 (1)	91.6	2602	305	.63	402	11.6	13.5	14.5	15.5	16.4	17.4	19.3
		19	87.2	2195	276	.570	366	12.1	14.4	15.5	16.7	17.8	18.9	21.2
		15	82.1	1802	246	.510	327	12.6	15.4	16.8	18.2	19.6	20.9	23.7
		12	76.5	1487	217	.450	289	12.7	16.1	17.8	19.4	21.1	22.8	26.2
		10 (2)	71.9	1264	192	.40	256	12.4	16.3	18.3	20.3	22.3	24.2	28.2
	ISA+10°C -9°C	12 (1)	90.0	2560	305	.63	395	11.5	13.5	14.4	15.4	16.4	17.4	19.3
		8	85.7	2140	276	.570	359	12.1	14.4	15.6	16.8	17.9	19.1	21.4
		5	80.6	1758	246	.510	321	12.6	15.4	16.9	18.3	19.7	21.1	24.0
		2	75.2	1450	217	.450	284	12.7	16.1	17.8	19.6	21.3	23.0	26.5
		0 (2)	70.6	1228	191	.40	251	12.3	16.4	18.4	20.4	22.5	24.5	28.6
	ISA+0°C -19°C	1 (1)	88.4	2493	305	.63	387	11.5	13.5	14.5	15.5	16.5	17.5	19.5
		-2	84.2	2085	276	.570	352	12.1	14.5	15.7	16.9	18.1	19.3	21.7
		-6	79.2	1711	246	.510	315	12.6	15.5	17.0	18.4	19.9	21.3	24.3
		-8	73.8	1412	217	.450	278	12.6	16.2	17.9	19.7	21.5	23.2	26.8
		-11 (2)	69.3	1199	191	.40	247	12.2	16.4	18.5	20.6	22.7	24.7	28.9
	ISA-10°C -29°C	-10 (1)	86.7	2427	305	.63	380	11.5	13.6	14.6	15.6	16.7	17.7	19.8
		-13	82.6	2028	276	.570	345	12.1	14.6	15.8	17.0	18.3	19.5	21.9
		-16	77.7	1665	246	.510	309	12.5	15.5	17.0	18.5	20.0	21.5	24.6
		-19	72.4	1376	217	.450	273	12.6	16.2	18.0	19.8	21.6	23.5	27.1
		-21 (2)	68.1	1174	192	.40	242	12.1	16.4	18.5	20.6	22.8	24.9	29.2
20000	ISA+20°C 1°C	23 (1)	91.3	2584	305	.63	402	11.7	13.6	14.6	15.6	16.5	17.5	19.4
		19	86.9	2171	276	.570	366	12.2	14.5	15.7	16.8	18.0	19.2	21.5
		15	81.6	1776	246	.510	327	12.8	15.6	17.0	18.4	19.8	21.2	24.1
		12	75.8	1454	217	.450	289	13.0	16.4	18.2	19.9	21.6	23.3	26.8
		9 (2)	69.6	1168	184	.38	247	12.6	16.9	19.0	21.1	23.3	25.4	29.7
	ISA+10°C -9°C	12 (1)	89.7	2540	305	.63	395	11.6	13.6	14.6	15.5	16.5	17.5	19.5
		8	85.4	2117	276	.570	359	12.2	14.6	15.8	17.0	18.1	19.3	21.7
		5	80.2	1732	246	.510	321	12.8	15.7	17.1	18.6	20.0	21.4	24.3
		2	74.5	1418	217	.450	284	13.0	16.5	18.3	20.0	21.8	23.5	27.1
		-1 (2)	68.3	1136	184	.38	242	12.5	16.9	19.1	21.3	23.5	25.7	30.1
	ISA+0°C -19°C	1 (1)	88.2	2474	305	.63	387	11.6	13.6	14.6	15.7	16.7	17.7	19.7
		-2	83.9	2062	276	.570	352	12.2	14.7	15.9	17.1	18.3	19.5	21.9
		-6	78.8	1686	246	.510	315	12.8	15.7	17.2	18.7	20.2	21.7	24.6
		-8	73.2	1381	217	.450	278	12.9	16.5	18.3	20.2	22.0	23.8	27.4
		-11 (2)	67.2	1111	185	.38	238	12.4	16.9	19.2	21.4	23.7	25.9	30.4
	ISA-10°C -29°C	-10 (1)	86.5	2408	305	.63	380	11.6	13.7	14.7	15.8	16.8	17.8	19.9
		-13	82.3	2006	276	.570	345	12.2	14.7	16.0	17.2	18.5	19.7	22.2
		-16	77.2	1641	246	.510	309	12.7	15.8	17.3	18.8	20.3	21.9	24.9
		-19	71.8	1346	217	.450	273	12.8	16.6	18.4	20.3	22.1	24.0	27.7
		-21 (2)	66.0	1093	186	.39	235	12.3	16.9	19.2	21.5	23.8	26.1	30.6

68PPA-01-01

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-9°C	-19°C	-29°C
90.6	88.9	87.1

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 1900 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C -3°C	20	(1)	93.6	2652	305	.65	415	11.9	13.7	14.7	15.6	16.6	17.5	19.4
		17		90.0	2305	280	.600	382	12.2	14.4	15.5	16.6	17.7	18.7	20.9
		14		86.5	1990	256	.550	350	12.6	15.1	16.3	17.6	18.9	20.1	22.6
	11		82.7	1716	232	.500	319	12.7	15.7	17.1	18.6	20.0	21.5	24.4	
	9	(2)	79.8	1549	214	.46	295	12.6	15.8	17.4	19.0	20.6	22.2	25.5	
	ISA+10°C -13°C	9	(1)	92.0	2607	305	.65	407	11.8	13.7	14.6	15.6	16.6	17.5	19.4
		6		88.5	2246	280	.600	375	12.2	14.5	15.6	16.7	17.8	18.9	21.1
		3		85.0	1940	256	.550	344	12.6	15.1	16.4	17.7	19.0	20.3	22.9
	0		81.3	1672	232	.500	313	12.7	15.7	17.2	18.7	20.2	21.7	24.7	
	-2	(2)	78.3	1507	213	.46	289	12.5	15.8	17.5	19.2	20.8	22.5	25.8	
	ISA+0°C -23°C	-2	(1)	90.3	2539	305	.65	399	11.8	13.7	14.7	15.7	16.7	17.7	19.6
		-5		86.9	2188	280	.600	368	12.2	14.5	15.7	16.8	18.0	19.1	21.4
-8			83.4	1888	256	.550	337	12.6	15.2	16.5	17.9	19.2	20.5	23.2	
-10		79.8	1628	232	.500	307	12.7	15.8	17.3	18.8	20.4	21.9	25.0		
-12	(2)	76.9	1467	214	.46	283	12.5	15.9	17.6	19.3	21.0	22.7	26.1		
ISA-10°C -33°C	-13	(1)	88.6	2470	305	.65	391	11.8	13.8	14.8	15.8	16.8	17.8	19.9	
	-16		85.2	2128	280	.600	360	12.2	14.6	15.8	16.9	18.1	19.3	21.6	
	-18		81.8	1836	256	.550	330	12.5	15.3	16.6	18.0	19.4	20.7	23.4	
-21		78.2	1588	232	.500	300	12.6	15.8	17.3	18.9	20.5	22.1	25.2		
-22	(2)	75.6	1436	215	.46	279	12.5	15.9	17.7	19.4	21.2	22.9	26.4		
30000	ISA+20°C -3°C	20	(1)	93.5	2642	305	.65	415	11.9	13.8	14.7	15.7	16.6	17.6	19.5
		17		89.9	2297	280	.600	382	12.3	14.5	15.6	16.6	17.7	18.8	21.0
		14		86.3	1981	256	.550	350	12.6	15.2	16.4	17.7	19.0	20.2	22.7
	11		82.5	1705	232	.500	319	12.8	15.8	17.2	18.7	20.2	21.6	24.6	
	8	(2)	79.1	1512	211	.46	291	12.6	15.9	17.6	19.2	20.9	22.5	25.8	
	ISA+10°C -13°C	9	(1)	91.9	2598	305	.65	407	11.8	13.7	14.7	15.7	16.6	17.6	19.5
		6		88.4	2238	280	.600	375	12.3	14.5	15.6	16.8	17.9	19.0	21.2
		3		84.8	1930	256	.550	344	12.6	15.2	16.5	17.8	19.1	20.4	23.0
	0		81.1	1661	232	.500	313	12.8	15.8	17.3	18.8	20.3	21.8	24.8	
	-2	(2)	77.7	1475	211	.46	286	12.6	16.0	17.7	19.4	21.1	22.8	26.1	
	ISA+0°C -23°C	-2	(1)	90.2	2530	305	.65	399	11.8	13.8	14.8	15.8	16.8	17.7	19.7
		-5		86.8	2179	280	.600	368	12.3	14.6	15.7	16.9	18.0	19.2	21.5
-8			83.3	1879	256	.550	337	12.6	15.3	16.6	17.9	19.3	20.6	23.3	
-10		79.6	1617	232	.500	307	12.8	15.9	17.4	19.0	20.5	22.1	25.1		
-12	(2)	76.2	1434	211	.46	280	12.5	16.0	17.8	19.5	21.3	23.0	26.5		
ISA-10°C -33°C	-13	(1)	88.5	2461	305	.65	391	11.8	13.9	14.9	15.9	16.9	17.9	19.9	
	-16		85.1	2120	280	.600	360	12.3	14.6	15.8	17.0	18.2	19.4	21.7	
	-18		81.7	1827	256	.550	330	12.6	15.3	16.7	18.1	19.5	20.8	23.6	
-21		78.0	1578	232	.500	300	12.7	15.9	17.5	19.0	20.6	22.2	25.4		
-23	(2)	74.9	1403	212	.46	275	12.5	16.1	17.8	19.6	21.4	23.2	26.8		
29000	ISA+20°C -3°C	20	(1)	93.4	2630	305	.65	415	12.0	13.9	14.8	15.8	16.7	17.7	19.6
		17		89.8	2286	280	.600	382	12.3	14.5	15.6	16.7	17.8	18.9	21.1
		14		86.2	1968	256	.550	350	12.7	15.3	16.5	17.8	19.1	20.3	22.9
	11		82.3	1691	232	.500	319	12.9	15.9	17.4	18.8	20.3	21.8	24.8	
	8	(2)	78.2	1469	208	.45	286	12.7	16.1	17.8	19.5	21.2	22.9	26.3	
	ISA+10°C -13°C	9	(1)	91.7	2586	305	.65	407	11.9	13.8	14.8	15.7	16.7	17.7	19.6
		6		88.2	2227	280	.600	375	12.4	14.6	15.7	16.8	18.0	19.1	21.3
		3		84.6	1918	256	.550	344	12.7	15.3	16.6	17.9	19.2	20.5	23.1
	0		80.8	1647	232	.500	313	12.9	15.9	17.5	19.0	20.5	22.0	25.1	
	-2	(2)	76.9	1434	208	.45	282	12.7	16.2	17.9	19.6	21.4	23.1	26.6	
	ISA+0°C -23°C	-2	(1)	90.1	2518	305	.65	399	11.9	13.9	14.8	15.8	16.8	17.8	19.8
		-5		86.6	2169	280	.600	368	12.3	14.7	15.8	17.0	18.1	19.3	21.6
-8			83.1	1867	256	.550	337	12.7	15.4	16.7	18.1	19.4	20.7	23.4	
-10		79.4	1604	232	.500	307	12.9	16.0	17.6	19.1	20.7	22.2	25.4		
-13	(2)	75.4	1392	208	.45	275	12.6	16.2	18.0	19.8	21.6	23.4	27.0		
ISA-10°C -33°C	-13	(1)	88.4	2449	305	.65	391	11.9	13.9	14.9	16.0	17.0	18.0	20.0	
	-16		85.0	2110	280	.600	360	12.3	14.7	15.9	17.1	18.3	19.5	21.8	
	-18		81.5	1815	256	.550	330	12.7	15.4	16.8	18.2	19.6	21.0	23.7	
-21		77.7	1565	232	.500	300	12.8	16.0	17.6	19.2	20.8	22.4	25.6		
-23	(2)	74.0	1360	208	.45	271	12.6	16.2	18.1	19.9	21.7	23.6	27.3		
28000	ISA+20°C -3°C	20	(1)	93.3	2618	305	.65	415	12.0	13.9	14.9	15.8	16.8	17.7	19.7
		17		89.7	2275	280	.600	382	12.4	14.6	15.7	16.8	17.9	19.0	21.2
		14		86.0	1956	256	.550	350	12.8	15.4	16.6	17.9	19.2	20.5	23.0
	11		82.1	1678	232	.500	319	13.0	16.0	17.5	19.0	20.5	22.0	24.9	
	8	(2)	77.3	1426	204	.44	282	12.8	16.3	18.0	19.8	21.5	23.3	26.8	
	ISA+10°C -13°C	9	(1)	91.6	2574	305	.65	407	11.9	13.9	14.8	15.8	16.8	17.7	19.7
		6		88.1	2217	280	.600	375	12.4	14.7	15.8	16.9	18.0	19.2	21.4
		3		84.5	1906	256	.550	344	12.8	15.4	16.7	18.0	19.3	20.7	23.3
	0		80.6	1634	232	.500	313	13.0	16.1	17.6	19.1	20.7	22.2	25.2	
	-3	(2)	76.0	1393	205	.44	277	12.7	16.3	18.1	19.9	21.7	23.5	27.1	
	ISA+0°C -23°C	-2	(1)	90.0	2507	305	.65	399	11.9	13.9	14.9	15.9	16.9	17.9	19.9
		-5		86.5	2159	280	.600	368	12.4	14.7	15.9	17.0	18.2	19.3	21.7
-8			82.9	1856	256	.550	337	12.8	15.5	16.8	18.2	19.5	20.9	23.6	
-10		79.2	1591	232	.500	307	13.0	16.1	17.7	19.3	20.8	22.4	25.6		
-13	(2)	74.6	1355	205	.44	272	12.7	16.4	18.2	20.1	21.9	23.7	27.4		
ISA-10°C -33°C	-13	(1)	88.3	2438	305	.65	391	11.9	14.0	15.0	16.0	17.1	18.1	20.1	
	-16		84.9	2100	280	.600	360	12.4	14.8	16.0	17.2	18.3	19.5	21.9	
	-18		81.4	1804	256	.550	330	12.8	15.5	16.9	18.3	19.7	21.1	23.9	
-21		77.5	1552	232	.500	300	12.9	16.1	17.7	19.4	21.0	22.6	25.8		
-23	(2)	73.1	1317	204	.44	266	12.6	16.4	18.3	20.2	22.1	24.0	27.8		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 19000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL						
								HEADWIND			ZERO WIND	TAILWIND		
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT
27000	ISA+20°C -3°C	20 (1)	93.2	2609	305	.65	415	12.1	14.0	14.9	15.9	16.8	17.8	19.7
		17	89.6	2265	280	.600	382	12.5	14.7	15.8	16.9	18.0	19.1	21.3
		14	85.8	1944	256	.550	350	12.9	15.5	16.7	18.0	19.3	20.6	23.2
		11	81.8	1665	232	.500	319	13.1	16.1	17.6	19.1	20.6	22.1	25.1
		7 (2)	76.3	1378	200	.43	277	12.8	16.5	18.3	20.1	21.9	23.7	27.3
		9 (1)	91.5	2565	305	.65	407	12.0	13.9	14.9	15.9	16.8	17.8	19.8
	ISA+10°C -13°C	6	88.0	2207	280	.600	375	12.5	14.7	15.9	17.0	18.1	19.3	21.5
		3	84.3	1895	256	.550	344	12.9	15.5	16.8	18.1	19.5	20.8	23.4
		0	80.4	1622	232	.500	313	13.1	16.2	17.7	19.3	20.8	22.4	25.4
		-3 (2)	75.1	1346	201	.44	272	12.8	16.5	18.4	20.2	22.1	23.9	27.7
		-2 (1)	89.9	2498	305	.65	399	12.0	14.0	15.0	16.0	17.0	18.0	20.0
		-5	86.4	2150	280	.600	368	12.5	14.8	15.9	17.1	18.3	19.4	21.8
	ISA+0°C -23°C	-8	82.8	1845	256	.550	337	12.9	15.6	16.9	18.3	19.6	21.0	23.7
		-10	78.9	1579	232	.500	307	13.1	16.3	17.8	19.4	21.0	22.6	25.8
		-13 (2)	73.8	1316	202	.44	268	12.7	16.5	18.4	20.3	22.2	24.1	28.0
		-13 (1)	88.2	2430	305	.65	391	12.0	14.0	15.1	16.1	17.1	18.1	20.2
		-16	84.8	2091	280	.600	360	12.5	14.8	16.0	17.2	18.4	19.6	22.0
		-18	81.2	1794	256	.550	330	12.8	15.6	17.0	18.4	19.8	21.2	24.0
	ISA-10°C -33°C	-21	77.3	1540	232	.500	300	13.0	16.3	17.9	19.5	21.1	22.8	26.0
		-24 (2)	72.2	1272	200	.43	261	12.6	16.6	18.5	20.5	22.5	24.4	28.4
		20 (1)	93.0	2592	305	.65	415	12.1	14.1	15.0	16.0	17.0	17.9	19.8
		16	88.6	2179	275	.590	376	12.7	15.0	16.1	17.2	18.4	19.5	21.8
		12	83.9	1802	246	.530	338	13.2	16.0	17.4	18.7	20.1	21.5	24.3
		9 (2)	78.7	1500	218	.470	300	13.3	16.6	18.3	20.0	21.6	23.3	26.6
ISA+10°C -13°C	7	74.3	1284	192	.42	266	12.9	16.8	18.8	20.7	22.7	24.6	28.5	
	9 (1)	91.3	2548	305	.65	407	12.0	14.0	15.0	16.0	16.9	17.9	19.9	
	5	87.1	2124	275	.590	369	12.7	15.0	16.2	17.4	18.5	19.7	22.1	
	2	82.4	1756	246	.530	331	13.2	16.0	17.4	18.9	20.3	21.7	24.6	
	-1	77.3	1461	218	.470	294	13.3	16.7	18.4	20.1	21.8	23.5	27.0	
	-3 (2)	73.3	1267	195	.42	264	12.9	16.9	18.9	20.8	22.8	24.8	28.7	
ISA+0°C -23°C	-2 (1)	89.7	2482	305	.65	399	12.0	14.1	15.1	16.1	17.1	18.1	20.1	
	-5	85.5	2068	275	.590	362	12.7	15.1	16.3	17.5	18.7	19.9	22.3	
	-9	80.9	1710	246	.530	325	13.2	16.1	17.5	19.0	20.5	21.9	24.9	
	-12	75.9	1422	218	.470	288	13.2	16.8	18.5	20.3	22.0	23.8	27.3	
	-14 (2)	71.9	1233	195	.42	259	12.9	16.9	19.0	21.0	23.0	25.0	29.1	
	-13 (1)	88.0	2414	305	.65	391	12.0	14.1	15.2	16.2	17.2	18.3	20.3	
ISA-10°C -33°C	-16	83.8	2011	275	.590	354	12.6	15.1	16.4	17.6	18.9	20.1	22.6	
	-19	79.3	1665	246	.530	318	13.1	16.1	17.6	19.1	20.6	22.1	25.1	
	-22	74.4	1384	218	.470	282	13.2	16.8	18.6	20.4	22.2	24.0	27.6	
	-24 (2)	70.5	1200	194	.42	253	12.8	16.9	19.0	21.1	23.2	25.3	29.4	
	20 (1)	92.8	2577	305	.65	415	12.2	14.1	15.1	16.1	17.1	18.0	20.0	
	16	88.4	2161	275	.590	376	12.8	15.1	16.2	17.4	18.6	19.7	22.0	
ISA+10°C -13°C	12	83.5	1780	246	.530	338	13.3	16.2	17.6	19.0	20.4	21.8	24.6	
	9 (2)	78.2	1476	218	.470	300	13.5	16.9	18.6	20.3	22.0	23.7	27.1	
	6	72.6	1211	187	.41	259	13.1	17.2	19.3	21.4	23.4	25.5	29.6	
	9 (1)	91.2	2533	305	.65	407	12.1	14.1	15.1	16.1	17.0	18.0	20.0	
	5	86.8	2106	275	.590	369	12.8	15.1	16.3	17.5	18.7	19.9	22.3	
	2	82.1	1735	246	.530	331	13.3	16.2	17.7	19.1	20.5	22.0	24.9	
ISA+0°C -23°C	-1	76.8	1437	218	.470	294	13.5	17.0	18.7	20.5	22.2	23.9	27.4	
	-4 (2)	71.5	1186	188	.41	255	13.1	17.3	19.4	21.5	23.6	25.7	29.9	
	-2 (1)	89.5	2468	305	.65	399	12.1	14.1	15.2	16.2	17.2	18.2	20.2	
	-5	85.3	2051	275	.590	362	12.8	15.2	16.4	17.6	18.9	20.1	22.5	
	-9	80.6	1689	246	.530	325	13.3	16.3	17.8	19.2	20.7	22.2	25.2	
	-12	75.4	1399	218	.470	288	13.5	17.0	18.8	20.6	22.4	24.2	27.7	
ISA-10°C -33°C	-15 (2)	69.8	1145	186	.40	248	12.9	17.3	19.5	21.7	23.8	26.0	30.4	
	-13 (1)	87.8	2400	305	.65	391	12.1	14.2	15.2	16.3	17.3	18.4	20.4	
	-16	83.6	1995	275	.590	354	12.8	15.3	16.5	17.8	19.0	20.3	22.8	
	-19	79.0	1646	246	.530	318	13.3	16.3	17.8	19.3	20.9	22.4	25.4	
	-22	74.0	1362	218	.470	282	13.4	17.1	18.9	20.7	22.6	24.4	28.1	
	-24 (2)	69.3	1147	191	.41	249	13.0	17.3	19.5	21.7	23.9	26.1	30.4	
20000	ISA+20°C -3°C	20 (1)	92.6	2556	305	.65	415	12.3	14.3	15.2	16.2	17.2	18.2	20.1
		15	87.3	2069	270	.580	369	13.0	15.4	16.7	17.9	19.1	20.3	22.7
		11	81.3	1642	237	.510	325	13.7	16.7	18.3	19.8	21.3	22.8	25.9
		8	74.8	1307	203	.440	281	13.8	17.6	19.6	21.5	23.4	25.3	29.1
		5 (2)	70.0	1106	179	.39	248	13.4	17.9	20.1	22.4	24.7	26.9	31.4
		9 (1)	90.9	2513	305	.65	407	12.2	14.2	15.2	16.2	17.2	18.2	20.2
	ISA+10°C -13°C	5	86.5	2082	275	.590	369	12.9	15.3	16.5	17.7	18.9	20.1	22.5
		2	81.6	1707	246	.530	331	13.6	16.5	17.9	19.4	20.9	22.3	25.3
		-1	76.2	1405	218	.470	294	13.8	17.4	19.1	20.9	22.7	24.5	28.0
		-5 (2)	69.2	1098	182	.39	247	13.3	17.9	20.2	22.5	24.7	27.0	31.6
		-2 (1)	89.3	2448	305	.65	399	12.2	14.3	15.3	16.3	17.3	18.3	20.4
		-5	85.0	2028	275	.590	362	12.9	15.4	16.6	17.8	19.1	20.3	22.8
	ISA+0°C -23°C	-9	80.1	1662	246	.530	325	13.5	16.5	18.0	19.5	21.1	22.6	25.6
		-12	74.8	1369	218	.470	288	13.8	17.4	19.2	21.1	22.9	24.7	28.4
		-15 (2)	68.1	1075	182	.40	243	13.3	17.9	20.3	22.6	24.9	27.2	31.9
		-13 (1)	87.6	2382	305	.65	391	12.2	14.3	15.4	16.4	17.5	18.5	20.6
		-16	83.4	1972	275	.590	354	12.9	15.4	16.7	18.0	19.2	20.5	23.0
		-19	78.5	1620	246	.530	318	13.5	16.6	18.1	19.6	21.2	22.7	25.8
	ISA-10°C -33°C	-22	73.3	1332	218	.470	282	13.7	17.5	19.3	21.2	23.1	25.0	28.7
		-25 (2)	66.5	1047	182	.39	237	13.1	17.9	20.3	22.7	25.1	27.5	32.2

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-13°C	-23°C	-33°C
91.8	90.0	88.2

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 21000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								HEADWIND			ZERO WIND	TAILWIND				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
30775	ISA+20°C -7°C	17	(1)	95.1	2663	305	.68	427	12.3	14.2	15.1	16.0	17.0	17.9	19.8	
		14		91.8	2327	283	.630	398	12.8	15.0	16.1	17.1	18.2	19.3	21.4	
		11		88.5	2021	260	.580	367	13.2	15.7	16.9	18.1	19.4	20.6	23.1	
		8		85.0	1753	236	.530	335	13.4	16.3	17.7	19.1	20.6	22.0	24.8	
		6		81.6	1532	214	.48	305	13.4	16.6	18.3	19.9	21.5	23.2	26.4	
		7	(2)	93.4	2609	305	.68	419	12.2	14.2	15.1	16.1	17.0	18.0	19.9	
	ISA+10°C -17°C	4	(1)	90.2	2266	283	.630	391	12.8	15.0	16.2	17.3	18.4	19.5	21.7	
		0		86.9	1969	260	.580	360	13.2	15.7	17.0	18.3	19.5	20.8	23.3	
		-2		83.5	1708	236	.530	329	13.4	16.3	17.8	19.3	20.7	22.2	25.1	
		-5	(2)	79.7	1473	211	.48	295	13.3	16.7	18.4	20.1	21.8	23.4	26.8	
		-4	(1)	91.7	2546	305	.68	411	12.2	14.2	15.2	16.1	17.1	18.1	20.1	
		-7		88.5	2205	283	.630	383	12.8	15.1	16.2	17.4	18.5	19.6	21.9	
	ISA+0°C -27°C	-10		85.3	1917	260	.580	353	13.2	15.8	17.1	18.4	19.7	21.0	23.6	
		-13		81.9	1662	236	.530	322	13.4	16.4	17.9	19.4	20.9	22.4	25.4	
		-16	(2)	78.1	1430	211	.47	289	13.2	16.7	18.5	20.2	21.9	23.7	27.2	
		-15	(1)	89.9	2477	305	.68	403	12.2	14.2	15.2	16.3	17.3	18.3	20.3	
		-18		86.8	2145	283	.630	375	12.8	15.2	16.3	17.5	18.7	19.8	22.2	
		-21		83.6	1863	260	.580	345	13.2	15.9	17.2	18.5	19.9	21.2	23.9	
ISA-10°C -37°C	-23		80.3	1616	236	.530	316	13.3	16.4	18.0	19.5	21.1	22.6	25.7		
	-26	(2)	77.0	1410	214	.48	286	13.2	16.8	18.5	20.3	22.1	23.9	27.4		
	30000	ISA+20°C -7°C	17	(1)	95.0	2654	305	.68	427	12.3	14.2	15.2	16.1	17.0	18.0	19.9
			14		91.7	2318	283	.630	398	12.9	15.0	16.1	17.2	18.3	19.3	21.5
			11		88.3	2011	260	.580	367	13.3	15.8	17.0	18.2	19.5	20.7	23.2
			8		84.8	1741	236	.530	335	13.5	16.4	17.8	19.3	20.7	22.1	25.0
5			(2)	80.9	1498	212	.48	301	13.4	16.8	18.4	20.1	21.8	23.4	26.8	
7			(1)	93.3	2602	305	.68	419	12.3	14.2	15.2	16.1	17.1	18.0	20.0	
ISA+10°C -17°C		3		89.4	2195	279	.620	385	13.0	15.3	16.4	17.5	18.7	19.8	22.1	
		0		86.1	1905	255	.570	354	13.3	15.9	17.3	18.6	19.9	21.2	23.8	
		-3		82.6	1648	232	.520	323	13.5	16.5	18.1	19.6	21.1	22.6	25.6	
		-5	(2)	79.0	1441	209	.47	292	13.3	16.8	18.5	20.3	22.0	23.7	27.2	
		-4	(1)	91.6	2538	305	.68	411	12.3	14.2	15.2	16.2	17.2	18.2	20.1	
		-8		87.8	2136	279	.620	377	13.0	15.3	16.5	17.7	18.8	20.0	22.3	
ISA+0°C -27°C		-11		84.5	1854	255	.570	347	13.3	16.0	17.3	18.7	20.0	21.4	24.1	
		-13		81.0	1604	232	.520	316	13.5	16.6	18.2	19.7	21.3	22.8	26.0	
		-16	(2)	77.5	1404	209	.47	287	13.3	16.9	18.6	20.4	22.2	24.0	27.5	
		-15	(1)	89.8	2468	305	.68	403	12.3	14.3	15.3	16.3	17.3	18.3	20.4	
		-19		86.1	2078	279	.620	369	13.0	15.4	16.6	17.8	19.0	20.2	22.6	
		-21		82.9	1801	255	.570	340	13.3	16.1	17.5	18.9	20.2	21.6	24.4	
ISA-10°C -37°C	-24		79.4	1561	232	.520	310	13.4	16.6	18.2	19.8	21.5	23.1	26.3		
	-26	(2)	76.3	1375	211	.47	283	13.3	16.9	18.7	20.5	22.4	24.2	27.8		
	29000	ISA+20°C -7°C	17	(1)	94.9	2642	305	.68	427	12.4	14.3	15.2	16.2	17.1	18.1	20.0
			14		90.9	2242	279	.620	392	13.0	15.3	16.4	17.5	18.6	19.7	21.9
			11		87.5	1942	255	.570	360	13.4	16.0	17.3	18.6	19.8	21.1	23.7
			8		83.8	1677	232	.520	329	13.6	16.6	18.1	19.6	21.1	22.6	25.6
5			(2)	80.1	1456	208	.47	297	13.5	17.0	18.7	20.4	22.1	23.8	27.3	
7			(1)	93.2	2594	305	.68	419	12.3	14.2	15.2	16.2	17.1	18.1	20.0	
ISA+10°C -17°C		3		89.3	2184	279	.620	385	13.0	15.3	16.5	17.6	18.8	19.9	22.2	
		0		85.9	1892	255	.570	354	13.4	16.0	17.4	18.7	20.0	21.3	24.0	
		-3		82.3	1633	232	.520	323	13.6	16.7	18.2	19.8	21.3	22.8	25.9	
		-6	(2)	78.2	1402	206	.46	288	13.4	17.0	18.8	20.6	22.3	24.1	27.7	
		-4	(1)	91.5	2526	305	.68	411	12.3	14.3	15.3	16.3	17.3	18.2	20.2	
		-8		87.6	2126	279	.620	377	13.0	15.4	16.6	17.7	18.9	20.1	22.4	
ISA+0°C -27°C		-11		84.4	1842	255	.570	347	13.4	16.1	17.5	18.8	20.2	21.5	24.3	
		-13		80.8	1590	232	.520	316	13.6	16.8	18.3	19.9	21.5	23.0	26.2	
		-16	(2)	76.9	1371	207	.47	284	13.4	17.1	18.9	20.7	22.5	24.3	28.0	
		-15	(1)	89.7	2458	305	.68	403	12.3	14.3	15.4	16.4	17.4	18.4	20.4	
		-19		85.9	2068	279	.620	369	13.0	15.4	16.7	17.9	19.1	20.3	22.7	
		-21		82.7	1789	255	.570	340	13.4	16.2	17.6	19.0	20.4	21.8	24.6	
ISA-10°C -37°C	-24		79.2	1547	232	.520	310	13.6	16.8	18.4	20.0	21.6	23.3	26.5		
	-26	(2)	75.5	1339	208	.47	279	13.4	17.1	19.0	20.8	22.7	24.6	28.3		
	28000	ISA+20°C -7°C	17	(1)	94.8	2631	305	.68	427	12.4	14.3	15.3	16.2	17.2	18.1	20.0
			14		90.7	2232	279	.620	392	13.1	15.3	16.5	17.6	18.7	19.8	22.1
			11		87.3	1930	255	.570	360	13.5	16.1	17.4	18.7	20.0	21.3	23.9
			8		83.6	1663	232	.520	329	13.8	16.8	18.3	19.8	21.3	22.8	25.8
5			(2)	79.1	1411	205	.46	292	13.6	17.1	18.9	20.7	22.5	24.2	27.8	
7			(1)	93.0	2586	305	.68	419	12.3	14.3	15.2	16.2	17.2	18.1	20.1	
ISA+10°C -17°C		3		89.1	2174	279	.620	385	13.1	15.4	16.5	17.7	18.8	20.0	22.3	
		0		85.8	1880	255	.570	354	13.5	16.1	17.5	18.8	20.1	21.5	24.1	
		-3		82.1	1619	232	.520	323	13.7	16.8	18.4	19.9	21.5	23.0	26.1	
		-6	(2)	77.5	1365	204	.46	285	13.5	17.2	19.0	20.9	22.7	24.5	28.2	
		-4	(1)	91.3	2515	305	.68	411	12.4	14.4	15.3	16.3	17.3	18.3	20.3	
		-8		87.5	2116	279	.620	377	13.1	15.5	16.6	17.8	19.0	20.2	22.5	
ISA+0°C -27°C		-11		84.2	1830	255	.570	347	13.5	16.2	17.6	18.9	20.3	21.7	24.4	
		-13		80.6	1576	232	.520	316	13.7	16.9	18.5	20.1	21.7	23.2	26.4	
		-16	(2)	76.2	1338	205	.46	281	13.5	17.3	19.1	21.0	22.9	24.7	28.5	
		-15	(1)	89.6	2448	305	.68	403	12.4	14.4	15.4	16.4	17.5	18.5	20.5	
		-19		85.8	2058	279	.620	369	13.1	15.5	16.7	17.9	19.2	20.4	22.8	
		-21		82.6	1778	255	.570	340	13.5	16.3	17.7	19.1	20.5	21.9	24.7	
ISA-10°C -37°C	-24		79.0	1534	232	.520	310	13.7	16.9	18.6	20.2	21.8	23.5	26.7		
	-27	(2)	74.7	1300	205	.46	275	13.4	17.3	19.2	21.1	23.1	25.0	28.8		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 21000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C -7°C	17 (1)	94.6	2620	305	.68	427	12.5	14.4	15.4	16.3	17.3	18.2	20.1	
		14	90.6	2222	279	.620	392	13.1	15.4	16.5	17.7	18.8	19.9	22.2	
		10	86.4	1860	250	.560	354	13.7	16.3	17.7	19.0	20.4	21.7	24.4	
		7	81.8	1553	223	.500	316	13.9	17.1	18.8	20.4	22.0	23.6	26.8	
		4 (2)	78.1	1363	201	.45	286	13.7	17.3	19.2	21.0	22.8	24.7	28.3	
		7 (1)	92.9	2575	305	.68	419	12.4	14.3	15.3	16.3	17.3	18.2	20.2	
	ISA+10°C -17°C	3	89.0	2164	279	.620	385	13.2	15.5	16.6	17.8	18.9	20.1	22.4	
		-1	84.9	1813	250	.560	347	13.6	16.4	17.8	19.2	20.5	21.9	24.7	
		-4	80.4	1512	223	.500	310	13.9	17.2	18.9	20.5	22.2	23.8	27.1	
		-6 (2)	76.7	1329	201	.45	281	13.6	17.4	19.3	21.2	23.1	24.9	28.7	
		-4 (1)	91.2	2505	305	.68	411	12.4	14.4	15.4	16.4	17.4	18.4	20.4	
		-8	87.4	2107	279	.620	377	13.2	15.5	16.7	17.9	19.1	20.3	22.6	
	ISA+0°C -27°C	-11	84.0	1818	255	.570	347	13.6	16.3	17.7	19.1	20.4	21.8	24.6	
		-13	80.3	1562	232	.520	316	13.8	17.0	18.6	20.2	21.8	23.4	26.6	
		-16 (2)	75.4	1301	202	.46	277	13.6	17.5	19.4	21.3	23.2	25.1	29.0	
		-15 (1)	89.5	2437	305	.68	403	12.4	14.5	15.5	16.5	17.5	18.6	20.6	
		-19	85.7	2049	279	.620	369	13.2	15.6	16.8	18.0	19.3	20.5	22.9	
		-22	81.7	1716	250	.560	334	13.6	16.5	18.0	19.4	20.9	22.4	25.3	
	ISA-10°C -37°C	-25	77.3	1431	223	.500	298	13.8	17.3	19.1	20.8	22.6	24.3	27.8	
		-27 (2)	73.9	1262	202	.45	271	13.5	17.5	19.5	21.5	23.4	25.4	29.4	
		17 (1)	94.4	2597	305	.68	427	12.6	14.5	15.5	16.5	17.4	18.4	20.3	
		13	89.7	2138	274	.610	386	13.4	15.7	16.9	18.0	19.2	20.4	22.7	
		9	85.3	1782	246	.550	348	13.9	16.7	18.1	19.5	20.9	22.3	25.1	
		6 (2)	80.5	1483	218	.490	310	14.2	17.5	19.2	20.9	22.6	24.3	27.6	
25000	ISA+20°C -7°C	3	75.9	1265	192	.43	275	13.8	17.7	19.7	21.7	23.7	25.7	29.6	
		7 (1)	92.7	2552	305	.68	419	12.5	14.5	15.4	16.4	17.4	18.4	20.3	
		3	88.8	2145	279	.620	385	13.3	15.6	16.8	17.9	19.1	20.3	22.6	
		-1	84.5	1791	250	.560	347	13.8	16.6	18.0	19.4	20.8	22.2	25.0	
		-4	79.8	1487	223	.500	310	14.1	17.5	19.2	20.9	22.5	24.2	27.6	
		-7 (2)	74.8	1246	194	.44	272	13.8	17.8	19.8	21.8	23.8	25.8	29.9	
	ISA+10°C -17°C	-4 (1)	91.0	2483	305	.68	411	12.5	14.5	15.5	16.6	17.6	18.6	20.6	
		-8	87.1	2089	279	.620	377	13.3	15.7	16.9	18.1	19.3	20.4	22.8	
		-11	83.0	1742	250	.560	341	13.8	16.7	18.1	19.5	21.0	22.4	25.3	
		-14	78.3	1448	223	.500	304	14.1	17.6	19.3	21.0	22.7	24.5	27.9	
		-17 (2)	73.5	1216	195	.44	267	13.7	17.9	19.9	22.0	24.0	26.1	30.2	
		-15 (1)	89.2	2416	305	.68	403	12.5	14.6	15.6	16.7	17.7	18.7	20.8	
	ISA+0°C -27°C	-19	85.4	2031	279	.620	369	13.3	15.7	17.0	18.2	19.4	20.7	23.1	
		-22	81.4	1694	250	.560	334	13.8	16.7	18.2	19.7	21.2	22.6	25.6	
		-25	76.8	1407	223	.500	298	14.1	17.6	19.4	21.2	23.0	24.7	28.3	
		-28 (2)	72.0	1183	194	.44	262	13.7	17.9	20.0	22.1	24.2	26.3	30.6	
		17 (1)	94.2	2575	305	.68	427	12.7	14.7	15.6	16.6	17.6	18.5	20.5	
		13	89.5	2120	274	.610	386	13.5	15.8	17.0	18.2	19.4	20.6	22.9	
	23000	ISA+20°C -7°C	9	84.9	1759	246	.550	348	14.1	16.9	18.3	19.8	21.2	22.6	25.4
			6	80.0	1458	218	.490	310	14.4	17.8	19.5	21.3	23.0	24.7	28.1
			3 (2)	74.0	1186	186	.42	266	14.0	18.2	20.3	22.4	24.5	26.6	30.9
			7 (1)	92.5	2531	305	.68	419	12.6	14.6	15.6	16.6	17.6	18.5	20.5
			2	87.9	2065	274	.610	378	13.5	15.9	17.1	18.3	19.5	20.7	23.2
			-1	83.4	1715	246	.550	341	14.1	17.0	18.4	19.9	21.4	22.8	25.7
ISA+10°C -17°C		-4	78.5	1421	218	.490	304	14.4	17.9	19.6	21.4	23.2	24.9	28.4	
		-8 (2)	72.8	1160	187	.42	262	13.9	18.3	20.4	22.6	24.7	26.9	31.2	
		-4 (1)	90.8	2463	305	.68	411	12.6	14.7	15.7	16.7	17.7	18.7	20.7	
		-8	86.2	2011	274	.610	371	13.5	16.0	17.2	18.5	19.7	20.9	23.4	
		-12	81.9	1668	246	.550	334	14.1	17.1	18.6	20.1	21.6	23.1	26.0	
		-15	77.0	1383	218	.490	298	14.3	17.9	19.8	21.6	23.4	25.2	28.8	
ISA+0°C -27°C		-18 (2)	71.3	1128	186	.42	256	13.8	18.3	20.5	22.7	24.9	27.1	31.6	
		-15 (1)	89.0	2396	305	.68	403	12.6	14.7	15.8	16.8	17.8	18.9	21.0	
		-19	84.6	1954	274	.610	363	13.5	16.0	17.3	18.6	19.9	21.2	23.7	
		-22	80.3	1623	246	.550	328	14.0	17.1	18.7	20.2	21.7	23.3	26.4	
		-25	75.5	1345	218	.490	292	14.3	18.0	19.9	21.7	23.6	25.4	29.1	
		-28 (2)	70.3	1113	189	.43	254	13.8	18.3	20.6	22.8	25.1	27.3	31.8	
20000		ISA+20°C -7°C	17 (1)	93.9	2545	305	.68	427	12.9	14.8	15.8	16.8	17.8	18.8	20.7
			13	89.1	2096	274	.610	386	13.6	16.0	17.2	18.4	19.6	20.8	23.2
			9	83.6	1674	241	.540	341	14.4	17.4	18.9	20.4	21.9	23.4	26.4
			5	77.4	1338	209	.470	297	14.8	18.5	20.4	22.2	24.1	26.0	29.7
			2 (2)	71.3	1078	177	.40	254	14.3	18.9	21.2	23.6	25.9	28.2	32.8
			7 (1)	92.2	2502	305	.68	419	12.8	14.8	15.8	16.8	17.8	18.8	20.8
	ISA+10°C -17°C	2	87.5	2041	274	.610	378	13.6	16.1	17.3	18.5	19.8	21.0	23.4	
		-2	82.1	1630	241	.540	335	14.4	17.5	19.0	20.6	22.1	23.6	26.7	
		-5	76.0	1304	209	.470	292	14.7	18.5	20.5	22.4	24.3	26.2	30.0	
		-8 (2)	70.5	1071	180	.41	253	14.3	19.0	21.3	23.6	26.0	28.3	33.0	
		-4 (1)	90.5	2435	305	.68	411	12.8	14.8	15.9	16.9	17.9	18.9	21.0	
		-8	85.9	1987	274	.610	371	13.6	16.2	17.4	18.7	19.9	21.2	23.7	
	ISA+0°C -27°C	-12	80.6	1586	241	.540	328	14.4	17.6	19.1	20.7	22.3	23.9	27.0	
		-16	74.6	1268	209	.470	286	14.7	18.6	20.6	22.5	24.5	26.5	30.4	
		-18 (2)	69.3	1048	181	.41	249	14.2	19.0	21.4	23.8	26.1	28.5	33.3	
		-15 (1)	88.8	2369	305	.68	403	12.8	14.9	15.9	17.0	18.0	19.1	21.2	
		-19	84.3	1932	274	.610	363	13.6	16.2	17.5	18.8	20.1	21.4	24.0	
		-23	79.0	1544	241	.540	322	14.4	17.6	19.2	20.8	22.5	24.1	27.3	
	ISA-10°C -37°C	-26	73.1	1234	209	.470	280	14.6	18.6	20.7	22.7	24.7	26.7	30.8	
		-29 (2)	67.0	996	177	.40	239	13.9	19.0	21.5	24.0	26.5	29.0	34.0	

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-17°C	-27°C	-37°C
93.2	91.4	89.5

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 23000 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								HEADWIND			ZERO WIND	TAILWIND				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
30775	ISA+20°C -11°C	15	(1)	96.5	2666	305	.70	441	12.8	14.7	15.6	16.5	17.5	18.4	20.3	
		11		93.0	2293	281	.650	408	13.4	15.6	16.7	17.8	18.9	20.0	22.2	
		8		89.7	1986	258	.600	377	13.9	16.4	17.7	19.0	20.2	21.5	24.0	
		5		86.5	1734	236	.550	345	14.1	17.0	18.5	19.9	21.3	22.8	25.7	
		2	(2)	82.6	1485	210	.49	309	14.1	17.4	19.1	20.8	22.5	24.2	27.5	
		4	(1)	94.8	2594	305	.70	432	12.8	14.7	15.7	16.7	17.6	18.6	20.5	
	ISA+10°C -21°C	1		91.3	2233	281	.650	400	13.4	15.7	16.8	17.9	19.0	20.2	22.4	
		-3		88.0	1935	258	.600	369	13.9	16.5	17.8	19.1	20.4	21.7	24.3	
		-5		84.9	1689	236	.550	339	14.1	17.1	18.6	20.0	21.5	23.0	26.0	
		-9	(2)	80.8	1433	208	.49	300	14.0	17.5	19.2	21.0	22.7	24.5	27.9	
		-7	(1)	93.0	2544	305	.70	424	12.7	14.7	15.7	16.6	17.6	18.6	20.6	
		-10		89.6	2172	281	.650	392	13.5	15.8	16.9	18.1	19.2	20.4	22.7	
	ISA+0°C -31°C	-13		86.4	1882	258	.600	362	13.9	16.6	17.9	19.2	20.6	21.9	24.5	
		-16		83.3	1642	236	.550	332	14.1	17.2	18.7	20.2	21.7	23.2	26.3	
		-19	(2)	79.2	1390	208	.49	294	13.9	17.5	19.3	21.1	22.9	24.7	28.3	
		-18	(1)	91.2	2474	305	.70	415	12.7	14.7	15.8	16.8	17.8	18.8	20.8	
		-21		87.8	2112	281	.650	384	13.5	15.8	17.0	18.2	19.4	20.6	22.9	
		-24		84.7	1829	258	.600	354	13.9	16.6	18.0	19.4	20.7	22.1	24.8	
ISA-10°C -41°C	-27		81.6	1596	236	.550	325	14.1	17.2	18.8	20.4	21.9	23.5	26.6		
	-30	(2)	77.4	1342	206	.48	286	13.8	17.6	19.4	21.3	23.1	25.0	28.7		
	30000	ISA+20°C -11°C	15	(1)	96.4	2656	305	.70	441	12.8	14.7	15.7	16.6	17.5	18.5	20.4
			11		92.8	2283	281	.650	408	13.5	15.7	16.8	17.9	19.0	20.1	22.3
			8		89.5	1976	258	.600	377	14.0	16.5	17.8	19.1	20.3	21.6	24.1
			5		86.3	1723	236	.550	345	14.2	17.1	18.6	20.0	21.5	22.9	25.8
2			(2)	82.2	1464	209	.49	308	14.2	17.6	19.3	21.0	22.7	24.4	27.8	
4			(1)	94.7	2587	305	.70	432	12.8	14.8	15.7	16.7	17.7	18.6	20.6	
ISA+10°C -21°C		1		91.2	2223	281	.650	400	13.5	15.8	16.9	18.0	19.1	20.3	22.5	
		-3		87.9	1925	258	.600	369	14.0	16.6	17.9	19.2	20.5	21.8	24.4	
		-5		84.7	1678	236	.550	339	14.2	17.2	18.7	20.2	21.7	23.2	26.1	
		-9	(2)	80.2	1402	206	.48	297	14.1	17.6	19.4	21.2	23.0	24.8	28.3	
		-7	(1)	92.9	2535	305	.70	424	12.8	14.7	15.7	16.7	17.7	18.7	20.7	
		-10		89.5	2163	281	.650	392	13.5	15.8	17.0	18.1	19.3	20.5	22.8	
ISA+0°C -31°C		-13		86.2	1873	258	.600	362	14.0	16.7	18.0	19.3	20.7	22.0	24.7	
		-16		83.1	1631	236	.550	332	14.2	17.3	18.8	20.3	21.9	23.4	26.5	
		-19	(2)	78.8	1370	207	.48	293	14.1	17.7	19.5	21.4	23.2	25.0	28.7	
		-18	(1)	91.1	2465	305	.70	415	12.8	14.8	15.8	16.8	17.8	18.9	20.9	
		-21		87.7	2102	281	.650	384	13.5	15.9	17.1	18.3	19.5	20.7	23.0	
		-25		83.9	1771	254	.590	349	14.0	16.9	18.3	19.7	21.1	22.5	25.3	
ISA-10°C -41°C	-28		80.1	1501	227	.530	313	14.2	17.5	19.2	20.9	22.5	24.2	27.5		
	-30	(2)	76.9	1317	204	.48	283	13.9	17.7	19.6	21.5	23.4	25.3	29.1		
	29000	ISA+20°C -11°C	15	(1)	96.3	2644	305	.70	441	12.9	14.8	15.7	16.7	17.6	18.6	20.5
			11		92.7	2270	281	.650	408	13.6	15.8	16.9	18.0	19.1	20.2	22.4
			8		89.3	1963	258	.600	377	14.1	16.6	17.9	19.2	20.5	21.7	24.3
			5		86.0	1708	236	.550	345	14.4	17.3	18.7	20.2	21.7	23.1	26.1
2			(2)	81.6	1431	207	.49	305	14.3	17.8	19.6	21.3	23.1	24.8	28.3	
4			(1)	94.5	2578	305	.70	432	12.9	14.8	15.8	16.8	17.7	18.7	20.6	
ISA+10°C -21°C		1		91.0	2210	281	.650	400	13.6	15.9	17.0	18.1	19.2	20.4	22.6	
		-3		87.1	1861	254	.590	363	14.1	16.8	18.2	19.5	20.9	22.2	24.9	
		-7		83.1	1572	227	.530	326	14.4	17.6	19.2	20.8	22.3	23.9	27.1	
		-9	(2)	79.6	1375	205	.48	296	14.2	17.9	19.7	21.5	23.3	25.1	28.8	
		-7	(1)	92.8	2524	305	.70	424	12.8	14.8	15.8	16.8	17.8	18.8	20.7	
		-10		89.3	2150	281	.650	392	13.6	15.9	17.1	18.2	19.4	20.6	22.9	
ISA+0°C -31°C		-13		86.1	1861	258	.600	362	14.1	16.8	18.1	19.4	20.8	22.1	24.8	
		-16		82.9	1617	236	.550	332	14.3	17.4	19.0	20.5	22.1	23.6	26.7	
		-19	(2)	78.3	1343	206	.48	291	14.2	17.9	19.8	21.7	23.5	25.4	29.1	
		-18	(1)	90.9	2455	305	.70	415	12.8	14.9	15.9	16.9	17.9	18.9	21.0	
		-21		87.6	2090	281	.650	384	13.6	16.0	17.2	18.4	19.6	20.8	23.2	
		-25		83.8	1759	254	.590	349	14.1	17.0	18.4	19.8	21.2	22.7	25.5	
ISA-10°C -41°C	-28		79.8	1486	227	.530	313	14.3	17.7	19.4	21.1	22.7	24.4	27.8		
	-30	(2)	76.4	1293	204	.48	282	14.1	18.0	19.9	21.8	23.8	25.7	29.6		
	28000	ISA+20°C -11°C	15	(1)	96.1	2632	305	.70	441	12.9	14.8	15.8	16.7	17.7	18.6	20.5
			11		92.5	2257	281	.650	408	13.7	15.9	17.0	18.1	19.2	20.3	22.5
			7		88.5	1898	254	.590	370	14.2	16.9	18.2	19.5	20.8	22.1	24.8
			4		84.3	1599	227	.530	333	14.5	17.7	19.2	20.8	22.4	23.9	27.1
1			(2)	80.8	1392	205	.48	301	14.5	18.1	19.9	21.7	23.4	25.2	28.8	
4			(1)	94.4	2570	305	.70	432	12.9	14.9	15.8	16.8	17.8	18.8	20.7	
ISA+10°C -21°C		1		90.9	2197	281	.650	400	13.7	15.9	17.1	18.2	19.4	20.5	22.8	
		-3		86.9	1849	254	.590	363	14.2	16.9	18.3	19.6	21.0	22.4	25.1	
		-7		82.8	1557	227	.530	326	14.5	17.7	19.3	21.0	22.6	24.2	27.4	
		-9	(2)	79.1	1347	203	.48	294	14.4	18.1	20.0	21.8	23.7	25.5	29.2	
		-7	(1)	92.6	2514	305	.70	424	12.9	14.9	15.9	16.9	17.8	18.8	20.8	
		-10		89.2	2138	281	.650	392	13.7	16.0	17.2	18.3	19.5	20.7	23.0	
ISA+0°C -31°C		-14		85.3	1798	254	.590	356	14.2	17.0	18.4	19.8	21.2	22.6	25.4	
		-17		81.3	1515	227	.530	320	14.5	17.8	19.5	21.1	22.8	24.4	27.7	
		-20	(2)	77.8	1314	204	.48	289	14.4	18.2	20.1	22.0	23.9	25.8	29.6	
		-18	(1)	90.8	2444	305	.70	415	12.9	14.9	15.9	17.0	18.0	19.0	21.1	
		-22		86.7	2011	277	.640	378	13.8	16.3	17.6	18.8	20.0	21.3	23.8	
		-25		83.0	1699	249	.580	343	14.3	17.2	18.7	20.2	21.6	23.1	26.1	
ISA-10°C -41°C	-28		79.0	1431	222	.520	307	14.5	18.0	19.7	21.5	23.2	25.0	28.5		
	-30	(2)	75.9	1269	203	.48	281	14.3	18.2	20.2	22.1	24.1	26.1	30.0		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 23000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								H E A D W I N D			Z E R O W I N D	T A I L W I N D				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
27000	ISA+20°C -11°C	15	(1)	96.0	2621	305	.70	441	13.0	14.9	15.9	16.8	17.8	18.7	20.6	
		11		91.7	2174	277	.640	402	13.9	16.2	17.3	18.5	19.6	20.8	23.1	
		7		87.7	1832	249	.580	364	14.4	17.1	18.5	19.9	21.2	22.6	25.3	
			3		83.4	1539	222	.520	326	14.7	18.0	19.6	21.2	22.8	24.5	27.7
			1	(2)	79.8	1347	201	.47	296	14.6	18.3	20.1	22.0	23.8	25.7	29.4
	ISA+10°C -21°C	4	(1)	94.3	2562	305	.70	432	13.0	14.9	15.9	16.9	17.8	18.8	20.8	
		0		90.0	2116	277	.640	394	13.9	16.3	17.4	18.6	19.8	21.0	23.4	
		-4		86.1	1785	249	.580	357	14.4	17.2	18.6	20.0	21.4	22.8	25.6	
			-7		81.8	1499	222	.520	320	14.7	18.0	19.7	21.4	23.0	24.7	28.0
			-9	(2)	78.5	1318	202	.47	292	14.6	18.3	20.2	22.1	24.0	25.9	29.7
	ISA+0°C -31°C	-7	(1)	92.5	2503	305	.70	424	12.9	14.9	15.9	16.9	17.9	18.9	20.9	
		-11		88.3	2059	277	.640	386	13.9	16.3	17.5	18.8	20.0	21.2	23.6	
-14			84.4	1736	249	.580	350	14.4	17.3	18.7	20.2	21.6	23.0	25.9		
		-18		80.3	1459	222	.520	314	14.6	18.1	19.8	21.5	23.2	24.9	28.4	
		-20	(2)	77.0	1277	201	.47	285	14.5	18.4	20.4	22.3	24.3	26.2	30.2	
ISA-10°C -41°C	-18	(1)	90.7	2434	305	.70	415	12.9	15.0	16.0	17.0	18.1	19.1	21.1		
	-22		86.6	2001	277	.640	378	13.9	16.4	17.7	18.9	20.1	21.4	23.9		
	-25		82.8	1688	249	.580	343	14.4	17.3	18.8	20.3	21.8	23.3	26.2		
		-28		78.7	1417	222	.520	307	14.6	18.2	19.9	21.7	23.4	25.2	28.7	
		-30	(2)	75.4	1244	201	.47	279	14.4	18.4	20.5	22.5	24.5	26.5	30.5	
25000	ISA+20°C -11°C	15	(1)	95.8	2600	305	.70	441	13.1	15.0	16.0	17.0	17.9	18.9	20.8	
		11		91.4	2154	277	.640	402	14.0	16.3	17.5	18.7	19.8	21.0	23.3	
		7		87.3	1809	249	.580	364	14.6	17.4	18.7	20.1	21.5	22.9	25.6	
			3		82.9	1511	222	.520	326	15.0	18.3	20.0	21.6	23.3	24.9	28.2
			0	(2)	77.8	1259	194	.45	286	14.7	18.7	20.7	22.7	24.7	26.7	30.6
	ISA+10°C -21°C	4	(1)	94.1	2547	305	.70	432	13.0	15.0	16.0	17.0	17.9	18.9	20.9	
		0		89.7	2097	277	.640	394	14.0	16.4	17.6	18.8	20.0	21.2	23.6	
		-4		85.7	1762	249	.580	357	14.6	17.4	18.8	20.3	21.7	23.1	25.9	
			-7		81.3	1471	222	.520	320	15.0	18.4	20.1	21.8	23.5	25.2	28.6
			-10	(2)	76.5	1232	195	.46	282	14.7	18.8	20.8	22.9	24.9	26.9	31.0
	ISA+0°C -31°C	-7	(1)	92.3	2484	305	.70	424	13.0	15.0	16.0	17.1	18.1	19.1	21.1	
		-11		88.1	2040	277	.640	386	14.0	16.5	17.7	18.9	20.2	21.4	23.8	
-14			84.1	1713	249	.580	350	14.6	17.5	19.0	20.4	21.9	23.3	26.3		
		-18		79.8	1433	222	.520	314	14.9	18.4	20.2	21.9	23.6	25.4	28.9	
		-21	(2)	75.0	1194	194	.46	275	14.7	18.8	20.9	23.0	25.1	27.2	31.4	
ISA-10°C -41°C	-18	(1)	90.5	2415	305	.70	415	13.0	15.1	16.1	17.2	18.2	19.2	21.3		
	-22		86.3	1982	277	.640	378	14.0	16.6	17.8	19.1	20.3	21.6	24.1		
	-25		82.5	1666	249	.580	343	14.6	17.6	19.1	20.6	22.1	23.6	26.6		
		-28		78.2	1392	222	.520	307	14.9	18.5	20.3	22.1	23.9	25.7	29.3	
		-31	(2)	73.7	1171	195	.46	271	14.6	18.9	21.0	23.2	25.3	27.4	31.7	
23000	ISA+20°C -11°C	15	(1)	95.6	2580	305	.70	441	13.2	15.1	16.1	17.1	18.1	19.0	21.0	
		11		91.1	2136	277	.640	402	14.1	16.5	17.6	18.8	20.0	21.2	23.5	
		6		86.3	1734	245	.570	358	14.9	17.8	19.2	20.6	22.1	23.5	26.4	
			2		80.8	1398	213	.500	314	15.3	18.9	20.7	22.5	24.2	26.0	29.6
			-1	(2)	75.6	1170	186	.44	275	14.9	19.2	21.3	23.5	25.6	27.8	32.0
	ISA+10°C -21°C	4	(1)	93.9	2534	305	.70	432	13.1	15.1	16.1	17.1	18.0	19.0	21.0	
		-1		88.8	2018	272	.630	388	14.3	16.7	18.0	19.2	20.5	21.7	24.2	
		-5		83.9	1637	240	.560	345	14.9	18.0	19.5	21.1	22.6	24.1	27.2	
			-9		78.5	1322	209	.490	302	15.3	19.0	20.9	22.8	24.7	26.6	30.4
			-11	(2)	74.2	1135	185	.44	268	14.8	19.3	21.5	23.7	25.9	28.1	32.5
	ISA+0°C -31°C	-7	(1)	92.1	2465	305	.70	424	13.1	15.2	16.2	17.2	18.2	19.2	21.2	
		-11		87.8	2022	277	.640	386	14.2	16.6	17.9	19.1	20.3	21.6	24.0	
-15			83.1	1641	245	.570	344	14.9	17.9	19.4	20.9	22.5	24.0	27.0		
		-19		77.8	1324	213	.500	302	15.2	19.0	20.9	22.8	24.7	26.6	30.3	
		-21	(2)	73.1	1118	187	.44	266	14.8	19.3	21.6	23.8	26.0	28.3	32.7	
ISA-10°C -41°C	-18	(1)	90.3	2398	305	.70	415	13.1	15.2	16.3	17.3	18.3	19.4	21.5		
	-22		86.1	1966	277	.640	378	14.2	16.7	18.0	19.2	20.5	21.8	24.3		
	-26		81.4	1597	245	.570	337	14.8	18.0	19.5	21.1	22.7	24.2	27.3		
		-29		76.2	1289	213	.500	295	15.2	19.0	21.0	22.9	24.9	26.8	30.7	
		-32	(2)	71.6	1086	187	.44	260	14.7	19.3	21.6	23.9	26.2	28.5	33.1	
20000	ISA+20°C -11°C	15	(1)	95.3	2554	305	.70	441	13.3	15.3	16.3	17.3	18.2	19.2	21.2	
		10		90.1	2048	272	.630	396	14.4	16.9	18.1	19.3	20.5	21.8	24.2	
		6		85.0	1649	240	.560	351	15.2	18.3	19.8	21.3	22.8	24.3	27.4	
			2		79.1	1322	209	.490	308	15.7	19.5	21.4	23.3	25.2	27.1	30.8
			-2	(2)	72.7	1056	176	.42	261	15.3	20.0	22.4	24.7	27.1	29.5	34.2
	ISA+10°C -21°C	4	(1)	93.6	2509	305	.70	432	13.2	15.2	16.2	17.2	18.2	19.2	21.2	
		-1		88.5	1994	272	.630	388	14.4	16.9	18.2	19.5	20.7	22.0	24.5	
		-5		83.4	1606	240	.560	345	15.2	18.3	19.9	21.5	23.0	24.6	27.7	
			-9		77.7	1286	209	.490	302	15.7	19.6	21.5	23.5	25.4	27.4	31.2
			-12	(2)	71.7	1040	178	.42	259	15.2	20.0	22.5	24.9	27.3	29.7	34.5
	ISA+0°C -31°C	-7	(1)	91.8	2441	305	.70	424	13.3	15.3	16.3	17.4	18.4	19.4	21.5	
		-12		86.8	1940	272	.630	380	14.4	17.0	18.3	19.6	20.9	22.2	24.7	
-16			81.8	1563	240	.560	338	15.2	18.4	20.0	21.6	23.2	24.8	28.0		
		-19		76.2	1251	209	.490	296	15.6	19.6	21.6	23.6	25.6	27.6	31.6	
		-22	(2)	70.4	1014	178	.42	254	15.2	20.1	22.6	25.0	27.5	29.9	34.9	
ISA-10°C -41°C	-18	(1)	90.0	2374	305	.70	415	13.3	15.4	16.4	17.5	18.5	19.6	21.7		
	-22		85.1	1886	272	.630	372	14.4	17.1	18.4	19.7	21.1	22.4	25.0		
	-26		80.2	1519	240	.560	331	15.2	18.5	20.1	21.8	23.4	25.1	28.4		
		-30		74.7	1217	209	.490	290	15.6	19.7	21.7	23.8	25.8	27.9	32.0	
		-33	(2)	68.1	962	174	.41	243	14.9	20.1	22.7	25.3	27.9	30.5	35.7	

68PPA-01-01

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 25000 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C -15°C	12	(1)	97.7	2627	302	.72	450	13.3	15.2	16.2	17.1	18.1	19.0	20.9
		8		94.1	2260	279	.670	418	14.1	16.3	17.4	18.5	19.6	20.7	22.9
		5		90.8	1948	256	.620	386	14.7	17.3	18.5	19.8	21.1	22.4	25.0
	2		87.8	1710	235	.570	355	14.9	17.8	19.3	20.8	22.2	23.7	26.6	
	-1	(2)	83.9	1461	208	.51	316	14.8	18.2	19.9	21.6	23.4	25.1	28.5	
	ISA+10°C -25°C	2	(1)	96.5	2613	305	.73	446	13.2	15.1	16.1	17.1	18.0	19.0	20.9
		-2		92.4	2203	279	.670	410	14.1	16.3	17.5	18.6	19.7	20.9	23.1
		-6		88.6	1847	252	.610	373	14.8	17.5	18.8	20.2	21.5	22.9	25.6
	-10		84.9	1581	226	.550	336	14.9	18.1	19.7	21.2	22.8	24.4	27.6	
	-12	(2)	82.1	1408	206	.50	307	14.7	18.3	20.1	21.8	23.6	25.4	28.9	
	ISA+0°C -35°C	-9	(1)	94.6	2557	305	.73	437	13.2	15.1	16.1	17.1	18.1	19.0	21.0
		-13		90.7	2142	279	.670	401	14.1	16.4	17.6	18.7	19.9	21.1	23.4
-17			86.9	1796	252	.610	365	14.8	17.5	18.9	20.3	21.7	23.1	25.9	
-20		83.3	1538	226	.550	329	14.9	18.1	19.8	21.4	23.0	24.6	27.9		
-22	(2)	80.6	1376	207	.51	303	14.7	18.4	20.2	22.0	23.8	25.6	29.3		
ISA-10°C -45°C	-20	(1)	92.7	2488	305	.73	427	13.2	15.2	16.2	17.2	18.2	19.2	21.2	
	-24		88.9	2081	279	.670	393	14.1	16.5	17.7	18.9	20.1	21.3	23.7	
	-28		85.2	1745	252	.610	357	14.7	17.6	19.0	20.5	21.9	23.3	26.2	
-31		81.6	1494	226	.550	322	14.9	18.2	19.9	21.6	23.2	24.9	28.3		
-33	(2)	79.0	1333	206	.50	295	14.6	18.4	20.3	22.2	24.0	25.9	29.7		
30000	ISA+20°C -15°C	12	(1)	97.7	2628	302	.72	451	13.4	15.3	16.2	17.2	18.1	19.1	21.0
		8		94.0	2253	279	.670	418	14.1	16.3	17.4	18.5	19.6	20.8	23.0
		5		90.7	1938	256	.620	386	14.8	17.4	18.6	19.9	21.2	22.5	25.1
	2		87.6	1698	235	.570	355	15.0	18.0	19.4	20.9	22.4	23.9	26.8	
	-2	(2)	83.4	1429	206	.50	313	14.9	18.4	20.2	21.9	23.7	25.4	28.9	
	ISA+10°C -25°C	2	(1)	96.4	2603	305	.73	446	13.3	15.2	16.2	17.1	18.1	19.0	21.0
		-2		92.3	2193	279	.670	410	14.1	16.4	17.5	18.7	19.8	21.0	23.2
		-6		88.4	1837	252	.610	373	14.8	17.6	18.9	20.3	21.6	23.0	25.7
	-10		84.7	1569	226	.550	336	15.0	18.2	19.8	21.4	23.0	24.6	27.8	
	-12	(2)	81.5	1373	203	.50	304	14.8	18.5	20.3	22.1	23.9	25.8	29.4	
	ISA+0°C -35°C	-9	(1)	94.5	2549	305	.73	437	13.2	15.2	16.1	17.1	18.1	19.1	21.1
		-13		90.5	2133	279	.670	401	14.1	16.5	17.6	18.8	20.0	21.2	23.5
-17			86.7	1786	252	.610	365	14.8	17.6	19.0	20.4	21.8	23.2	26.0	
-20		83.1	1526	226	.550	329	15.0	18.3	19.9	21.6	23.2	24.8	28.1		
-23	(2)	80.2	1353	206	.50	301	14.9	18.5	20.4	22.2	24.1	25.9	29.6		
ISA-10°C -45°C	-20	(1)	92.6	2478	305	.73	427	13.2	15.2	16.2	17.2	18.3	19.3	21.3	
	-24		88.8	2072	279	.670	393	14.1	16.5	17.7	19.0	20.2	21.4	23.8	
	-28		85.0	1736	252	.610	357	14.8	17.7	19.1	20.6	22.0	23.5	26.3	
-31		81.4	1482	226	.550	322	15.0	18.4	20.0	21.7	23.4	25.1	28.5		
-33	(2)	78.5	1308	205	.50	293	14.8	18.6	20.5	22.4	24.3	26.2	30.1		
29000	ISA+20°C -15°C	12	(1)	97.7	2629	303	.72	452	13.4	15.3	16.2	17.2	18.1	19.1	21.0
		8		93.9	2240	279	.670	418	14.2	16.4	17.5	18.6	19.8	20.9	23.1
		4		89.9	1874	252	.610	380	14.9	17.6	18.9	20.3	21.6	22.9	25.6
	1		86.1	1597	226	.550	343	15.2	18.3	19.9	21.5	23.0	24.6	27.7	
	-2	(2)	82.6	1388	203	.50	309	15.1	18.7	20.5	22.3	24.1	25.9	29.5	
	ISA+10°C -25°C	2	(1)	96.2	2590	305	.73	446	13.3	15.3	16.2	17.2	18.2	19.1	21.1
		-2		92.2	2180	279	.670	410	14.2	16.5	17.6	18.8	19.9	21.1	23.4
		-6		88.2	1824	252	.610	373	14.9	17.7	19.1	20.4	21.8	23.2	25.9
	-10		84.5	1553	226	.550	336	15.2	18.4	20.0	21.6	23.2	24.8	28.1	
	-13	(2)	80.9	1345	202	.49	302	15.0	18.7	20.6	22.5	24.3	26.2	29.9	
	ISA+0°C -35°C	-9	(1)	94.4	2538	305	.73	437	13.3	15.2	16.2	17.2	18.2	19.2	21.1
		-13		90.4	2120	279	.670	401	14.2	16.6	17.7	18.9	20.1	21.3	23.6
-17			86.5	1774	252	.610	365	14.9	17.8	19.2	20.6	22.0	23.4	26.2	
-20		82.9	1511	226	.550	329	15.2	18.5	20.1	21.8	23.4	25.1	28.4		
-23	(2)	79.6	1320	204	.50	298	15.0	18.8	20.7	22.6	24.5	26.4	30.2		
ISA-10°C -45°C	-20	(1)	92.5	2466	305	.73	427	13.3	15.3	16.3	17.3	18.3	19.4	21.4	
	-24		88.6	2060	279	.670	393	14.2	16.6	17.8	19.1	20.3	21.5	23.9	
	-28		84.8	1723	252	.610	357	14.9	17.8	19.3	20.7	22.2	23.6	26.5	
-31		81.1	1467	226	.550	322	15.1	18.5	20.2	22.0	23.7	25.4	28.8		
-33	(2)	77.9	1280	203	.50	291	14.9	18.9	20.8	22.8	24.7	26.7	30.6		
28000	ISA+20°C -15°C	13	(1)	97.7	2629	304	.73	453	13.4	15.3	16.3	17.2	18.2	19.1	21.0
		8		93.7	2228	279	.670	418	14.3	16.5	17.6	18.7	19.9	21.0	23.2
		4		89.7	1861	252	.610	380	15.0	17.7	19.1	20.4	21.8	23.1	25.8
	1		85.8	1581	226	.550	343	15.3	18.5	20.1	21.7	23.2	24.8	28.0	
	-2	(2)	81.6	1340	199	.49	304	15.2	18.9	20.8	22.7	24.5	26.4	30.1	
	ISA+10°C -25°C	2	(1)	96.1	2577	305	.73	446	13.4	15.4	16.3	17.3	18.3	19.2	21.2
		-2		92.0	2168	279	.670	410	14.3	16.6	17.7	18.9	20.0	21.2	23.5
		-6		88.0	1812	252	.610	373	15.0	17.8	19.2	20.6	21.9	23.3	26.1
	-10		84.2	1538	226	.550	336	15.3	18.6	20.2	21.8	23.5	25.1	28.3	
	-13	(2)	80.4	1316	201	.49	300	15.2	19.0	20.9	22.8	24.7	26.6	30.4	
	ISA+0°C -35°C	-9	(1)	94.2	2526	305	.73	437	13.3	15.3	16.3	17.3	18.3	19.3	21.2
		-13		90.2	2109	279	.670	401	14.3	16.7	17.8	19.0	20.2	21.4	23.8
-17			86.3	1762	252	.610	365	15.0	17.9	19.3	20.7	22.1	23.5	26.4	
-20		82.6	1496	226	.550	329	15.3	18.7	20.3	22.0	23.7	25.3	28.7		
-23	(2)	78.9	1283	201	.49	295	15.2	19.1	21.0	23.0	24.9	26.9	30.8		
ISA-10°C -45°C	-20	(1)	92.4	2454	305	.73	427	13.3	15.4	16.4	17.4	18.4	19.5	21.5	
	-24		88.5	2049	279	.670	393	14.3	16.7	17.9	19.2	20.4	21.6	24.0	
	-28		84.6	1711	252	.610	357	15.0	18.0	19.4	20.9	22.3	23.8	26.7	
-31		80.9	1453	226	.550	322	15.3	18.7	20.4	22.2	23.9	25.6	29.0		
-34	(2)	77.4	1250	202	.49	289	15.1	19.1	21.1	23.1	25.1	27.1	31.1		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 25000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								H E A D W I N D			Z E R O W I N D	T A I L W I N D			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C -15°C	13	(1)	97.7	2630	305	.73	454	13.5	15.4	16.3	17.3	18.2	19.2	21.1
		8		93.6	2216	279	.670	418	14.3	16.6	17.7	18.8	20.0	21.1	23.4
		4		89.5	1849	252	.610	380	15.1	17.8	19.2	20.6	21.9	23.3	26.0
		1		85.5	1567	226	.550	343	15.5	18.7	20.3	21.9	23.5	25.1	28.3
		-3	(2)	80.9	1308	198	.48	301	15.4	19.2	21.1	23.0	24.9	26.9	30.7
	ISA+10°C -25°C	2	(1)	95.9	2564	305	.73	446	13.5	15.4	16.4	17.4	18.4	19.3	21.3
		-2		91.9	2157	279	.670	410	14.4	16.7	17.8	19.0	20.1	21.3	23.6
		-6		87.8	1800	252	.610	373	15.1	17.9	19.3	20.7	22.1	23.5	26.3
		-10		83.9	1524	226	.550	336	15.5	18.8	20.4	22.0	23.7	25.3	28.6
		-13	(2)	79.8	1286	199	.49	298	15.4	19.3	21.2	23.2	25.1	27.1	30.9
	ISA+0°C -35°C	-9	(1)	94.1	2514	305	.73	437	13.4	15.4	16.4	17.4	18.4	19.4	21.3
		-13		90.1	2097	279	.670	401	14.4	16.7	17.9	19.1	20.3	21.5	23.9
		-17		86.2	1750	252	.610	365	15.1	18.0	19.4	20.9	22.3	23.7	26.6
		-20		82.4	1482	226	.550	329	15.5	18.8	20.5	22.2	23.9	25.6	29.0
		-24	(2)	77.9	1236	197	.48	289	15.3	19.3	21.4	23.4	25.4	27.4	31.5
	ISA-10°C -45°C	-20	(1)	92.2	2443	305	.73	427	13.4	15.4	16.5	17.5	18.5	19.5	21.6
		-24		88.3	2038	279	.670	393	14.4	16.8	18.0	19.3	20.5	21.7	24.2
		-28		84.4	1700	252	.610	357	15.1	18.1	19.5	21.0	22.5	24.0	26.9
		-31		80.7	1440	226	.550	322	15.4	18.9	20.6	22.4	24.1	25.8	29.3
		-34	(2)	76.8	1220	200	.49	287	15.3	19.4	21.4	23.5	25.5	27.6	31.7
25000	ISA+20°C -15°C	13	(1)	97.5	2613	305	.73	455	13.6	15.5	16.4	17.4	18.4	19.3	21.2
		8		93.3	2194	279	.670	418	14.5	16.8	17.9	19.0	20.2	21.3	23.6
		4		89.1	1826	252	.610	380	15.3	18.1	19.4	20.8	22.2	23.5	26.3
		1		85.0	1538	226	.550	343	15.8	19.0	20.6	22.3	23.9	25.5	28.8
		-3	(2)	79.7	1248	194	.48	297	15.8	19.8	21.8	23.8	25.8	27.8	31.8
	ISA+10°C -25°C	2	(1)	95.7	2541	305	.73	446	13.6	15.6	16.6	17.5	18.5	19.5	21.5
		-3		90.9	2065	274	.660	403	14.7	17.1	18.3	19.5	20.7	22.0	24.4
		-7		86.8	1727	248	.600	366	15.4	18.3	19.8	21.2	22.7	24.1	27.0
		-10		82.7	1454	222	.540	330	15.8	19.2	21.0	22.7	24.4	26.1	29.6
		-14	(2)	78.0	1207	193	.47	289	15.7	19.8	21.9	23.9	26.0	28.1	32.2
	ISA+0°C -35°C	-9	(1)	93.8	2491	305	.73	437	13.5	15.5	16.5	17.5	18.5	19.5	21.5
		-14		89.1	2008	274	.660	395	14.7	17.2	18.4	19.7	20.9	22.2	24.7
		-18		85.2	1680	248	.600	359	15.4	18.4	19.9	21.4	22.9	24.3	27.3
		-21		81.1	1414	222	.540	323	15.8	19.3	21.1	22.9	24.6	26.4	29.9
		-24	(2)	76.4	1172	193	.47	283	15.6	19.9	22.0	24.1	26.3	28.4	32.7
	ISA-10°C -45°C	-20	(1)	92.0	2420	305	.73	427	13.5	15.6	16.6	17.7	18.7	19.7	21.8
		-25		87.4	1952	274	.660	387	14.7	17.3	18.5	19.8	21.1	22.4	24.9
		-28		83.5	1632	248	.600	351	15.4	18.5	20.0	21.5	23.1	24.6	27.7
		-31		79.5	1375	222	.540	316	15.7	19.4	21.2	23.0	24.8	26.6	30.3
		-34	(2)	74.8	1138	193	.47	276	15.5	19.9	22.1	24.3	26.5	28.7	33.1
23000	ISA+20°C -15°C	13	(1)	97.2	2591	305	.73	455	13.7	15.6	16.6	17.5	18.5	19.5	21.4
		8		92.3	2097	274	.660	411	14.8	17.2	18.4	19.6	20.8	22.0	24.4
		3		87.4	1703	243	.590	367	15.7	18.6	20.1	21.6	23.0	24.5	27.5
		-1		82.3	1381	213	.520	324	16.2	19.8	21.6	23.4	25.3	27.1	30.7
		-4	(2)	77.5	1159	187	.46	285	16.0	20.3	22.4	24.6	26.8	28.9	33.2
	ISA+10°C -25°C	2	(1)	95.4	2520	305	.73	446	13.7	15.7	16.7	17.7	18.7	19.7	21.7
		-3		90.6	2041	274	.660	403	14.9	17.3	18.5	19.8	21.0	22.2	24.7
		-7		85.8	1657	243	.590	360	15.7	18.7	20.2	21.7	23.2	24.8	27.8
		-11		80.8	1344	213	.520	318	16.2	19.9	21.8	23.6	25.5	27.3	31.1
		-14	(2)	76.0	1127	186	.46	279	15.9	20.3	22.6	24.8	27.0	29.2	33.7
	ISA+0°C -35°C	-9	(1)	93.6	2469	305	.73	437	13.6	15.7	16.7	17.7	18.7	19.7	21.7
		-14		88.8	1985	274	.660	395	14.9	17.4	18.6	19.9	21.2	22.4	24.9
		-18		84.2	1611	243	.590	353	15.7	18.8	20.4	21.9	23.5	25.0	28.1
		-22		79.2	1307	213	.520	311	16.2	20.0	21.9	23.8	25.7	27.6	31.4
		-25	(2)	74.8	1104	188	.46	275	15.9	20.4	22.7	25.0	27.2	29.5	34.0
	ISA-10°C -45°C	-20	(1)	91.8	2400	305	.73	427	13.6	15.7	16.8	17.8	18.9	19.9	22.0
		-25		87.1	1929	274	.660	387	14.9	17.5	18.8	20.1	21.3	22.6	25.2
		-29		82.4	1566	243	.590	346	15.7	18.9	20.5	22.1	23.7	25.3	28.5
		-32		77.6	1271	213	.520	305	16.1	20.0	22.0	24.0	25.9	27.9	31.8
		-35	(2)	73.1	1066	186	.46	268	15.7	20.4	22.8	25.1	27.5	29.8	34.5
20000	ISA+20°C -15°C	13	(1)	96.9	2561	305	.73	455	13.8	15.8	16.8	17.7	18.7	19.7	21.7
		7		91.1	1998	270	.650	405	15.3	17.8	19.0	20.3	21.5	22.8	25.3
		3		86.2	1621	239	.580	361	16.1	19.2	20.7	22.3	23.8	25.4	28.5
		-1		80.7	1305	209	.510	318	16.7	20.5	22.4	24.3	26.3	28.2	32.0
		-5	(2)	74.2	1036	176	.43	269	16.3	21.1	23.5	26.0	28.4	30.8	35.6
	ISA+10°C -25°C	2	(1)	95.1	2499	305	.73	446	13.8	15.8	16.8	17.8	18.8	19.8	21.8
		-4		89.5	1945	270	.650	397	15.3	17.9	19.1	20.4	21.7	23.0	25.6
		-8		84.6	1579	239	.580	354	16.1	19.3	20.8	22.4	24.0	25.6	28.8
		-12		79.3	1267	209	.510	312	16.7	20.6	22.6	24.6	26.6	28.5	32.5
		-15	(2)	72.7	1006	175	.43	263	16.2	21.2	23.7	26.2	28.6	31.1	36.1
	ISA+0°C -35°C	-9	(1)	93.3	2441	305	.73	437	13.8	15.8	16.9	17.9	18.9	19.9	22.0
		-15		87.7	1891	270	.650	389	15.3	17.9	19.3	20.6	21.9	23.2	25.9
		-19		83.0	1535	239	.580	347	16.1	19.3	21.0	22.6	24.2	25.9	29.1
		-22		77.7	1234	209	.510	305	16.6	20.7	22.7	24.7	26.7	28.8	32.8
		-26	(2)	71.5	985	176	.43	259	16.2	21.2	23.8	26.3	28.9	31.4	36.5
	ISA-10°C -45°C	-20	(1)	91.4	2372	305	.73	427	13.8	15.9	17.0	18.0	19.1	20.1	22.2
		-25		86.0	1839	270	.650	381	15.3	18.0	19.4	20.7	22.1	23.4	26.2
		-29		81.3	1491	239	.580	340	16.1	19.4	21.1	22.8	24.5	26.1	29.5
		-33		76.1	1199	209	.510	299	16.6	20.8	22.8	24.9	27.0	29.1	33.3
		-36	(2)	69.7	950	175	.43	252	16.0	21.3	23.9	26.5	29.2	31.8	37.1

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-25°C	-35°C	-45°C
93.7	93.8	92.3

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 27000 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL									
							HEADWIND			ZERO WIND	TAILWIND					
							100 KT	50 KT	25 KT		25 KT	50 KT	100 KT			
30775	ISA+20°C -18°C	8	(1)	98.1	2495	293	.73	452	14.1	16.1	17.1	18.1	19.1	20.1	22.1	
		5		94.7	2161	271	.680	421	14.8	17.2	18.3	19.5	20.6	21.8	24.1	
		1		91.5	1869	250	.630	390	15.5	18.2	19.5	20.8	22.2	23.5	26.2	
		-2		88.5	1643	229	.580	358	15.7	18.8	20.3	21.8	23.3	24.9	27.9	
		-4	(2)	85.7	1461	209	.53	328	15.6	19.1	20.8	22.5	24.2	25.9	29.3	
		-1	(1)	98.2	2640	305	.76	460	13.6	15.5	16.5	17.4	18.4	19.3	21.2	
	ISA+10°C -28°C	-5		94.3	2232	280	.700	425	14.5	16.8	17.9	19.0	20.2	21.3	23.5	
		-9		90.4	1873	254	.640	388	15.4	18.0	19.4	20.7	22.0	23.4	26.0	
		-12		86.8	1597	229	.580	351	15.7	18.9	20.4	22.0	23.6	25.1	28.3	
		-15	(2)	84.0	1417	208	.53	321	15.6	19.1	20.9	22.7	24.4	26.2	29.7	
		-12	(1)	96.3	2567	305	.76	450	13.6	15.6	16.6	17.5	18.5	19.5	21.4	
		-16		92.4	2169	280	.700	416	14.6	16.9	18.0	19.2	20.3	21.5	23.8	
	ISA+0°C -38°C	-19		88.7	1822	254	.640	380	15.4	18.1	19.5	20.9	22.2	23.6	26.3	
		-23		85.2	1553	229	.580	344	15.7	18.9	20.5	22.2	23.8	25.4	28.6	
		-25	(2)	82.4	1379	208	.53	315	15.6	19.2	21.0	22.8	24.6	26.4	30.1	
		-23	(1)	94.3	2512	305	.76	440	13.6	15.5	16.5	17.5	18.5	19.5	21.5	
		-27		90.6	2105	280	.700	407	14.6	17.0	18.1	19.3	20.5	21.7	24.1	
		-30		86.9	1769	254	.640	372	15.4	18.2	19.6	21.0	22.4	23.8	26.7	
ISA-10°C -48°C	-34		83.4	1509	229	.580	337	15.7	19.0	20.7	22.3	24.0	25.6	28.9		
	-36	(2)	80.7	1342	209	.53	308	15.5	19.3	21.1	23.0	24.8	26.7	30.4		
	30000	ISA+20°C -18°C	9	(1)	98.1	2495	294	.73	453	14.2	16.2	17.2	18.2	19.2	20.2	22.2
			5		94.5	2150	271	.680	421	14.9	17.2	18.4	19.6	20.7	21.9	24.2
			1		91.3	1856	250	.630	390	15.6	18.3	19.6	21.0	22.3	23.7	26.4
			-2		88.3	1630	229	.580	358	15.9	18.9	20.5	22.0	23.5	25.1	28.1
-5			(2)	84.9	1418	205	.52	323	15.7	19.3	21.0	22.8	24.5	26.3	29.8	
-1			(1)	98.1	2629	305	.76	460	13.7	15.6	16.5	17.5	18.4	19.4	21.3	
ISA+10°C -28°C		-5		94.1	2220	280	.700	425	14.6	16.9	18.0	19.1	20.3	21.4	23.6	
		-9		90.2	1861	254	.640	388	15.5	18.2	19.5	20.8	22.2	23.5	26.2	
		-12		86.6	1585	229	.580	351	15.9	19.0	20.6	22.2	23.7	25.3	28.5	
		-15	(2)	83.3	1382	206	.52	317	15.7	19.3	21.1	23.0	24.8	26.6	30.2	
		-12	(1)	96.2	2556	305	.76	450	13.7	15.7	16.6	17.6	18.6	19.6	21.5	
		-16		92.3	2157	280	.700	416	14.6	17.0	18.1	19.3	20.4	21.6	23.9	
ISA+0°C -38°C		-19		88.5	1809	254	.640	380	15.5	18.2	19.6	21.0	22.4	23.8	26.5	
		-23		84.9	1541	229	.580	344	15.8	19.1	20.7	22.3	23.9	25.6	28.8	
		-26	(2)	81.7	1343	205	.52	311	15.7	19.4	21.3	23.1	25.0	26.8	30.6	
		-23	(1)	94.2	2501	305	.76	440	13.6	15.6	16.6	17.6	18.6	19.6	21.6	
		-27		90.4	2094	280	.700	407	14.7	17.0	18.2	19.4	20.6	21.8	24.2	
		-30		86.7	1757	254	.640	372	15.5	18.3	19.7	21.2	22.6	24.0	26.8	
ISA-10°C -48°C	-34		83.2	1497	229	.580	337	15.8	19.1	20.8	22.5	24.2	25.8	29.2		
	-36	(2)	80.1	1309	206	.52	305	15.6	19.5	21.4	23.3	25.2	27.1	30.9		
	29000	ISA+20°C -18°C	9	(1)	98.1	2496	295	.73	454	14.2	16.2	17.2	18.2	19.2	20.2	22.2
			5		94.3	2136	271	.680	421	15.0	17.4	18.5	19.7	20.9	22.0	24.4
			1		91.1	1840	250	.630	390	15.7	18.5	19.8	21.2	22.5	23.9	26.6
			-2		88.0	1614	229	.580	358	16.0	19.1	20.7	22.2	23.8	25.3	28.4
-5			(2)	84.1	1372	202	.51	318	15.9	19.5	21.4	23.2	25.0	26.8	30.5	
-1			(1)	97.9	2616	305	.76	460	13.7	15.7	16.6	17.6	18.5	19.5	21.4	
ISA+10°C -28°C		-5		93.9	2206	280	.700	425	14.7	17.0	18.1	19.2	20.4	21.5	23.8	
		-9		90.0	1845	254	.640	388	15.6	18.3	19.7	21.0	22.4	23.7	26.4	
		-12		86.3	1570	229	.580	351	16.0	19.2	20.8	22.4	24.0	25.6	28.8	
		-16	(2)	82.5	1336	202	.51	312	15.9	19.6	21.5	23.4	25.2	27.1	30.8	
		-12	(1)	96.0	2543	305	.76	450	13.8	15.7	16.7	17.7	18.7	19.7	21.6	
		-16		92.1	2143	280	.700	416	14.7	17.1	18.2	19.4	20.6	21.7	24.1	
ISA+0°C -38°C		-19		88.3	1794	254	.640	380	15.6	18.4	19.8	21.2	22.6	24.0	26.7	
		-23		84.7	1526	229	.580	344	16.0	19.3	20.9	22.5	24.2	25.8	29.1	
		-26	(2)	80.8	1293	201	.51	305	15.8	19.7	21.6	23.6	25.5	27.4	31.3	
		-23	(1)	94.1	2489	305	.76	440	13.7	15.7	16.7	17.7	18.7	19.7	21.7	
		-27		90.3	2080	280	.700	407	14.8	17.2	18.4	19.6	20.8	22.0	24.4	
		-30		86.5	1742	254	.640	372	15.6	18.5	19.9	21.3	22.8	24.2	27.1	
ISA-10°C -48°C	-34		82.9	1483	229	.580	337	16.0	19.3	21.0	22.7	24.4	26.1	29.4		
	-37	(2)	79.2	1261	202	.52	299	15.8	19.7	21.7	23.7	25.7	27.7	31.6		
	28000	ISA+20°C -18°C	9	(1)	98.1	2497	296	.74	455	14.2	16.2	17.2	18.2	19.2	20.2	22.2
			5		94.2	2123	271	.680	421	15.1	17.5	18.6	19.8	21.0	22.2	24.5
			1		90.2	1774	246	.620	383	16.0	18.8	20.2	21.6	23.0	24.4	27.2
			-3		86.5	1519	221	.560	346	16.2	19.5	21.1	22.8	24.4	26.1	29.4
-6			(2)	83.1	1324	198	.51	312	16.1	19.8	21.7	23.6	25.5	27.4	31.2	
-1			(1)	97.8	2603	305	.76	460	13.8	15.7	16.7	17.7	18.6	19.6	21.5	
ISA+10°C -28°C		-5		93.0	2127	276	.690	419	15.0	17.3	18.5	19.7	20.9	22.0	24.4	
		-9		89.1	1774	250	.630	382	15.9	18.7	20.1	21.5	22.9	24.3	27.2	
		-13		85.4	1516	225	.570	345	16.2	19.5	21.1	22.8	24.4	26.1	29.4	
		-16	(2)	81.5	1285	198	.50	306	16.0	19.9	21.9	23.8	25.7	27.7	31.6	
		-12	(1)	95.9	2530	305	.76	450	13.8	15.8	16.8	17.8	18.8	19.8	21.7	
		-16		91.3	2066	276	.690	410	15.0	17.4	18.6	19.8	21.0	22.3	24.7	
ISA+0°C -38°C		-20		87.4	1724	250	.630	374	15.9	18.8	20.2	21.7	23.1	24.6	27.5	
		-23		83.8	1473	225	.570	338	16.2	19.6	21.3	23.0	24.7	26.4	29.7	
		-27	(2)	79.8	1242	197	.50	298	16.0	20.0	22.0	24.0	26.0	28.0	32.1	
		-23	(1)	94.0	2477	305	.76	440	13.7	15.8	16.8	17.8	18.8	19.8	21.8	
		-27		89.4	2007	276	.690	401	15.0	17.5	18.7	20.0	21.2	22.5	25.0	
		-31		85.7	1674	250	.630	366	15.9	18.9	20.4	21.9	23.3	24.8	27.8	
ISA-10°C -48°C	-34		82.1	1431	225	.570	331	16.1	19.6	21.4	23.1	24.9	26.6	30.1		
	-37	(2)	78.2	1209	197	.50	292	15.9	20.0	22.1	24.2	26.2	28.3	32.4		

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CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 27000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C -18°C	9	(1)	98.0	2498	296	.74	457	14.3	16.3	17.3	18.3	19.3	20.3	22.3
		5		94.0	2110	271	.680	421	15.2	17.6	18.8	19.9	21.1	22.3	24.7
		1		90.0	1761	246	.620	383	16.1	18.9	20.3	21.8	23.2	24.6	27.4
		-3		86.2	1503	221	.560	346	16.4	19.7	21.4	23.0	24.7	26.4	29.7
		-6	(2)	82.4	1286	196	.50	309	16.2	20.1	22.1	24.0	26.0	27.9	31.8
		-9		78.6	1069	171	.440	272	16.0	21.0	23.2	25.2	27.2	29.2	33.2
	ISA+10°C -28°C	-1	(1)	97.6	2591	305	.76	460	13.9	15.8	16.8	17.7	18.7	19.7	21.6
		-5		92.9	2115	276	.690	419	15.1	17.4	18.6	19.8	21.0	22.2	24.5
		-10		88.3	1713	246	.620	376	16.1	19.0	20.5	21.9	23.4	24.8	27.8
		-14		83.9	1424	216	.550	333	16.4	19.9	21.6	23.4	25.2	26.9	30.4
		-17	(2)	80.5	1235	194	.49	300	16.2	20.2	22.2	24.3	26.3	28.3	32.4
		-20		77.1	1046	171	.430	265	16.0	21.2	23.4	25.6	27.6	29.6	33.6
	ISA+0°C -38°C	-12	(1)	95.8	2518	305	.76	450	13.9	15.9	16.9	17.9	18.9	19.9	21.8
		-16		91.1	2054	276	.690	410	15.1	17.5	18.7	20.0	21.2	22.4	24.8
		-20		87.2	1711	250	.630	374	16.0	18.9	20.4	21.8	23.3	24.8	27.7
		-23		83.6	1458	225	.570	338	16.3	19.8	21.5	23.2	24.9	26.6	30.0
		-27	(2)	79.1	1207	195	.50	295	16.1	20.3	22.4	24.4	26.5	28.6	32.7
		-30		75.7	1018	171	.440	260	16.0	21.3	23.6	25.8	27.8	29.8	33.8
	ISA-10°C -48°C	-23	(1)	93.8	2465	305	.76	440	13.8	15.8	16.9	17.9	18.9	19.9	21.9
		-27		89.3	1995	276	.690	401	15.1	17.6	18.9	20.1	21.4	22.6	25.1
		-31		84.9	1616	246	.620	360	16.1	19.2	20.7	22.3	23.8	25.4	28.5
		-35		80.6	1344	216	.550	319	16.3	20.0	21.9	23.8	25.6	27.5	31.2
		-38	(2)	77.3	1168	194	.49	287	16.0	20.3	22.5	24.6	26.7	28.9	33.2
		-41		74.0	979	171	.430	252	16.0	21.3	23.6	25.8	27.8	29.8	33.8
25000	ISA+20°C -18°C	9	(1)	98.0	2499	298	.74	459	14.3	16.4	17.4	18.4	19.4	20.4	22.4
		5		93.7	2086	271	.680	421	15.4	17.8	19.0	20.2	21.4	22.6	25.0
		1		89.6	1737	246	.620	383	16.3	19.2	20.6	22.1	23.5	24.9	27.8
		-3		85.7	1473	221	.560	346	16.7	20.1	21.8	23.5	25.2	26.9	30.3
		-7	(2)	80.6	1204	190	.48	300	16.6	20.8	22.8	24.9	27.0	29.1	33.2
		-10		77.2	1015	167	.420	265	16.6	21.8	24.1	26.2	28.2	30.2	34.2
	ISA+10°C -28°C	-1	(1)	97.4	2566	305	.76	460	14.0	16.0	16.9	17.9	18.9	19.9	21.8
		-5		92.6	2092	276	.690	419	15.2	17.6	18.8	20.0	21.2	22.4	24.8
		-10		87.9	1690	246	.620	376	16.3	19.3	20.8	22.2	23.7	25.2	28.2
		-14		83.3	1394	216	.550	333	16.7	20.3	22.1	23.9	25.7	27.5	31.1
		-17	(2)	79.2	1176	191	.49	295	16.6	20.8	23.0	25.1	27.2	29.3	33.6
		-20		75.8	987	167	.430	260	16.6	21.8	24.2	26.4	28.4	30.4	34.4
	ISA+0°C -38°C	-12	(1)	95.5	2494	305	.76	450	14.0	16.0	17.0	18.1	19.1	20.1	22.1
		-16		90.8	2032	276	.690	410	15.2	17.7	18.9	20.2	21.4	22.6	25.1
		-21		86.2	1642	246	.620	368	16.3	19.4	20.9	22.4	23.9	25.4	28.5
		-24		81.7	1355	216	.550	326	16.7	20.4	22.2	24.1	25.9	27.8	31.5
		-27	(2)	77.9	1150	192	.49	290	16.6	20.9	23.1	25.3	27.4	29.6	34.0
		-30		74.5	961	167	.430	255	16.6	21.9	24.3	26.5	28.5	30.5	34.5
	ISA-10°C -48°C	-23	(1)	93.6	2442	305	.76	440	13.9	16.0	17.0	18.0	19.1	20.1	22.1
		-27		89.0	1973	276	.690	401	15.3	17.8	19.1	20.3	21.6	22.9	25.4
		-31		84.5	1594	246	.620	360	16.3	19.4	21.0	22.6	24.2	25.7	28.9
		-35		80.1	1316	216	.550	319	16.7	20.5	22.4	24.3	26.2	28.1	31.9
		-38	(2)	76.2	1118	192	.49	284	16.5	20.9	23.2	25.4	27.7	29.9	34.4
		-41		72.8	929	167	.430	249	16.5	21.9	24.3	26.5	28.5	30.5	34.5
23000	ISA+20°C -18°C	9	(1)	98.0	2500	299	.74	460	14.4	16.4	17.4	18.4	19.4	20.4	22.4
		5		93.4	2064	271	.680	421	15.5	18.0	19.2	20.4	21.6	22.8	25.2
		0		88.5	1667	241	.610	377	16.6	19.6	21.1	22.6	24.1	25.6	28.6
		-4		83.7	1364	212	.540	334	17.1	20.8	22.6	24.5	26.3	28.1	31.8
		-7	(2)	78.9	1132	185	.47	292	17.0	21.4	23.6	25.8	28.0	30.2	34.6
		-10		75.5	943	161	.410	257	17.0	22.4	24.7	26.9	28.9	30.9	34.9
	ISA+10°C -28°C	-1	(1)	97.1	2543	305	.76	460	14.1	16.1	17.1	18.1	19.1	20.0	22.0
		-5		92.3	2070	276	.690	419	15.4	17.8	19.0	20.2	21.4	22.6	25.1
		-10		87.5	1668	246	.620	376	16.5	19.5	21.0	22.5	24.0	25.5	28.5
		-14		82.8	1366	216	.550	333	17.1	20.7	22.6	24.4	26.2	28.0	31.7
		-17	(2)	77.8	1113	187	.48	289	17.0	21.5	23.7	26.0	28.2	30.5	35.0
		-20		74.4	924	161	.410	252	17.0	22.5	24.9	27.1	29.1	31.1	35.1
	ISA+0°C -38°C	-12	(1)	95.3	2476	305	.76	450	14.1	16.2	17.2	18.2	19.2	20.2	22.2
		-16		90.5	2011	276	.690	410	15.4	17.9	19.1	20.4	21.6	22.9	25.3
		-21		85.8	1621	246	.620	368	16.5	19.6	21.2	22.7	24.2	25.8	28.9
		-24		81.2	1328	216	.550	326	17.0	20.8	22.7	24.6	26.4	28.3	32.1
		-28	(2)	76.0	1075	185	.47	281	16.9	21.5	23.8	26.2	28.5	30.8	35.5
		-31		72.6	886	161	.410	246	16.9	22.5	24.9	27.1	29.1	31.1	35.1
	ISA-10°C -48°C	-23	(1)	93.3	2420	305	.76	440	14.1	16.1	17.2	18.2	19.2	20.3	22.3
		-27		88.7	1952	276	.690	401	15.4	18.0	19.3	20.5	21.8	23.1	25.7
		-31		84.1	1573	246	.620	360	16.5	19.7	21.3	22.9	24.5	26.1	29.2
		-35		79.5	1290	216	.550	319	17.0	20.9	22.8	24.7	26.7	28.6	32.5
		-38	(2)	74.6	1054	187	.48	277	16.8	21.6	23.9	26.3	28.7	31.1	35.8
		-41		71.2	865	161	.410	241	16.8	22.6	25.0	27.2	29.2	31.2	35.2
20000	ISA+20°C -18°C	10	(1)	97.9	2501	301	.75	463	14.5	16.5	17.5	18.5	19.5	20.5	22.5
		4		92.2	1965	267	.670	414	16.0	18.5	19.8	21.1	22.4	23.6	26.2
		0		87.3	1588	237	.600	371	17.1	20.2	21.8	23.3	24.9	26.5	29.6
		-4		82.2	1285	208	.530	328	17.7	21.6	23.5	25.5	27.4	29.4	33.3
		-8	(2)	75.9	1021	176	.45	278	17.5	22.4	24.8	27.3	29.7	32.2	37.1
		-11		72.5	832	151	.390	243	17.5	23.4	25.9	28.3	30.7	33.1	37.5
	ISA+10°C -28°C	-1	(1)	96.8	2513	305	.76	460	14.3	16.3	17.3	18.3	19.3	20.3	22.3
		-6		91.2	1977	271	.680	412	15.8	18.3	19.6	20.9	22.1	23.4	25.9
		-11		85.7	1545	237	.600	364	17.1	20.3	21.9	23.5	25.1	26.8	30.0
		-15		79.9	1214	204	.520	315	17.7	21.8	23.9	26.0	28.0	30.1	34.2
		-19	(2)	74.2	985	174	.45	271	17.3	22.4	25.0	27.5	30.0	32.6	37.6
		-22		70.8	796	149	.390	236	17.3	23.4	26.0	28.4	30.8	33.2	37.6
	ISA														

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ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								H E A D W I N D			Z E R O W I N D	T A I L W I N D			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C -22°C	5	(1)	98.4	2372	288	.75	459	15.1	17.2	18.3	19.4	20.4	21.5	23.6
		1		94.4	2009	264	.690	424	16.1	18.6	19.8	21.1	22.3	23.6	26.1
		-3		90.6	1684	239	.630	386	17.0	20.0	21.5	22.9	24.4	25.9	28.9
		-6		86.9	1443	215	.570	350	17.3	20.8	22.5	24.2	26.0	27.7	31.2
		-9	(2)	84.0	1279	196	.52	320	17.2	21.1	23.0	25.0	26.9	28.9	32.8
		-12		80.6	1119	189	.50	310	17.6	21.8	23.9	26.0	28.1	30.2	34.4
	ISA+10°C -32°C	-3	(1)	99.3	2606	302	.78	470	14.2	16.1	17.1	18.0	19.0	19.9	21.9
		-8		94.1	2076	272	.710	427	15.8	18.2	19.4	20.6	21.8	23.0	25.4
		-13		89.5	1688	243	.640	385	16.9	19.8	21.3	22.8	24.3	25.7	28.7
		-17		85.2	1402	215	.570	342	17.3	20.9	22.6	24.4	26.2	28.0	31.6
		-20	(2)	82.3	1237	195	.52	312	17.1	21.2	23.2	25.2	27.2	29.2	33.3
		-23		78.9	1119	188	.50	295	17.5	21.9	24.2	26.4	28.6	30.9	35.3
	ISA+0°C -42°C	-14	(1)	98.3	2626	305	.79	464	13.9	15.8	16.7	17.7	18.6	19.6	21.5
		-19		92.9	2081	277	.720	424	15.6	18.0	19.2	20.4	21.6	22.8	25.2
		-23		88.4	1691	247	.650	383	16.7	19.7	21.2	22.6	24.1	25.6	28.5
		-27		84.2	1396	219	.580	341	17.3	20.9	22.6	24.4	26.2	28.0	31.6
		-30	(2)	80.8	1209	196	.52	307	17.1	21.2	23.3	25.4	27.4	29.5	33.6
		-33		77.4	1054	184	.49	289	17.9	22.6	25.0	27.4	29.8	32.1	36.9
	ISA-10°C -52°C	-25	(1)	96.3	2569	305	.79	454	13.8	15.7	16.7	17.7	18.6	19.6	21.6
		-30		91.0	2020	277	.720	415	15.6	18.1	19.3	20.6	21.8	23.0	25.5
-34			86.6	1642	247	.650	374	16.7	19.7	21.3	22.8	24.3	25.8	28.9	
-38			82.4	1356	219	.580	334	17.2	20.9	22.8	24.6	26.5	28.3	32.0	
-41		(2)	79.1	1178	196	.52	301	17.0	21.3	23.4	25.5	27.6	29.8	34.0	
-44			75.6	1028	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2	
25000	ISA+20°C -22°C	6	(1)	98.4	2373	290	.75	461	15.2	17.3	18.4	19.4	20.5	21.5	23.7
		1		94.1	1983	264	.690	424	16.3	18.8	20.1	21.4	22.6	23.9	26.4
		-3		90.1	1653	239	.630	386	17.3	20.4	21.9	23.4	24.9	26.4	29.4
		-6		86.3	1411	215	.570	350	17.7	21.2	23.0	24.8	26.5	28.3	31.9
		-10	(2)	82.2	1192	189	.50	310	17.6	21.8	23.9	26.0	28.1	30.2	34.4
		-13		78.9	1119	188	.50	295	17.5	21.9	24.2	26.4	28.6	30.9	35.3
	ISA+10°C -32°C	-3	(1)	99.3	2608	303	.78	471	14.2	16.2	17.1	18.1	19.0	20.0	21.9
		-8		93.7	2049	272	.710	427	16.0	18.4	19.6	20.9	22.1	23.3	25.7
		-13		89.0	1659	243	.640	385	17.2	20.2	21.7	23.2	24.7	26.2	29.2
		-17		84.6	1372	215	.570	342	17.7	21.3	23.1	25.0	26.8	28.6	32.2
		-20	(2)	80.6	1155	189	.50	302	17.5	21.9	24.0	26.2	28.3	30.5	34.8
		-23		77.4	1054	184	.49	289	17.9	22.6	25.0	27.4	29.8	32.1	36.9
	ISA+0°C -42°C	-14	(1)	97.9	2596	305	.79	464	14.0	16.0	16.9	17.9	18.8	19.8	21.7
		-19		91.9	1991	272	.710	418	16.0	18.5	19.8	21.0	22.3	23.5	26.0
		-24		87.3	1611	243	.640	377	17.2	20.3	21.8	23.4	24.9	26.5	29.6
		-28		83.0	1332	215	.570	335	17.7	21.4	23.3	25.2	27.0	28.9	32.7
		-31	(2)	78.9	1119	188	.50	295	17.5	21.9	24.2	26.4	28.6	30.9	35.3
		-34		75.6	1028	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2
	ISA-10°C -52°C	-25	(1)	96.0	2539	305	.79	454	13.9	15.9	16.9	17.9	18.9	19.9	21.8
		-30		90.7	1995	277	.720	415	15.8	18.3	19.6	20.8	22.1	23.3	25.8
-34			86.1	1614	247	.650	374	17.0	20.1	21.6	23.2	24.7	26.3	29.4	
-38			81.9	1328	219	.580	334	17.6	21.4	23.2	25.1	27.0	28.9	32.7	
-41		(2)	77.8	1115	192	.51	295	17.5	21.9	24.2	26.4	28.7	30.9	35.4	
-44			74.4	1015	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2	
23000	ISA+20°C -22°C	6	(1)	98.3	2374	291	.75	463	15.3	17.4	18.5	19.5	20.6	21.6	23.7
		1		93.7	1960	264	.690	424	16.5	19.1	20.3	21.6	22.9	24.2	26.7
		-3		89.0	1584	235	.620	380	17.7	20.9	22.4	24.0	25.6	27.2	30.3
		-7		84.4	1309	207	.550	337	18.1	22.0	23.9	25.8	27.7	29.6	33.4
		-10	(2)	80.6	1119	184	.49	302	18.0	22.5	24.7	27.0	29.2	31.4	35.9
		-13		77.4	1015	184	.49	289	17.9	22.6	25.0	27.4	29.8	32.1	36.9
	ISA+10°C -32°C	-3	(1)	99.2	2609	304	.78	473	14.3	16.2	17.2	18.1	19.1	20.0	21.9
		-8		93.3	2024	272	.710	427	16.2	18.6	19.9	21.1	22.3	23.6	26.1
		-13		88.6	1632	243	.640	385	17.5	20.5	22.0	23.6	25.1	26.6	29.7
		-17		84.1	1344	215	.570	342	18.0	21.8	23.6	25.5	27.3	29.2	32.9
		-21	(2)	78.8	1078	183	.49	293	17.9	22.6	24.9	27.2	29.5	31.8	36.5
		-24		75.6	1028	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2
	ISA+0°C -42°C	-14	(1)	97.6	2566	305	.79	464	14.2	16.1	17.1	18.1	19.1	20.0	22.0
		-19		91.5	1967	272	.710	418	16.2	18.7	20.0	21.3	22.5	23.8	26.4
		-24		86.9	1584	243	.640	377	17.5	20.6	22.2	23.8	25.4	26.9	30.1
		-28		82.4	1305	215	.570	335	18.0	21.9	23.8	25.7	27.6	29.5	33.4
		-31	(2)	77.4	1054	184	.49	289	17.9	22.6	25.0	27.4	29.8	32.1	36.9
		-34		74.4	1015	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2
	ISA-10°C -52°C	-25	(1)	95.6	2511	305	.79	454	14.1	16.1	17.1	18.1	19.1	20.1	22.1
		-30		89.7	1909	272	.710	409	16.2	18.8	20.1	21.4	22.7	24.1	26.7
-35			85.0	1540	243	.640	368	17.4	20.7	22.3	23.9	25.5	27.2	30.4	
-38			80.7	1268	215	.570	328	18.0	21.9	23.9	25.9	27.8	29.8	33.8	
-42		(2)	75.6	1028	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2	
-44			72.8	925	175	.47	269	18.3	23.7	26.4	29.1	31.8	34.5	39.9	
20000	ISA+20°C -22°C	8	(1)	98.3	2376	293	.76	466	15.4	17.5	18.6	19.6	20.7	21.7	23.8
		1		93.3	1927	264	.690	424	16.8	19.4	20.7	22.0	23.3	24.6	27.2
		-3		88.4	1551	235	.620	380	18.1	21.3	22.9	24.5	26.1	27.7	31.0
		-7		83.5	1267	207	.550	337	18.7	22.7	24.7	26.6	28.6	30.6	34.5
		-12	(2)	77.6	1007	175	.47	288	18.6	23.6	26.1	28.6	31.0	33.5	38.5
		-15		74.4	1015	184	.49	282	17.7	22.6	25.0	27.5	29.9	32.3	37.2
	ISA+10°C -32°C	-3	(1)	99.2	2607	305	.79	474	14.3	16.3	17.2	18.2	19.1	20.1	22.0
		-8		92.8	1991	272	.710	427	16.4	19.0	20.2	21.5	22.7	24.0	26.5
		-14		87.4	1552	239	.630	379	18.0	21.2	22.8	24.4	26.0	27.6	30.8
		-18		81.9	1232	207	.550	330	18.7	22.8	24.8	26.8	28.8	30.9	34.9
		-22	(2)	76.3	984	176	.47	283	18.6	23.7	26.2	28.8	31.3	33.9	38.9
		-25		73.1	925	177	.47	278	18.5	23.7	26.3	28.9	31.6	3	

CITATION SOVEREIGN+ PERFORMANCE MANUAL

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ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								HEADWIND			ZERO WIND	TAILWIND				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
27000	ISA+20°C -26°C	2	(1)	98.8	2251	279	.76	461	16.0	18.3	19.4	20.5	21.6	22.7	24.9	
		-2		95.1	1919	257	.700	426	17.0	19.6	20.9	22.2	23.5	24.8	27.4	
		-6		91.8	1666	237	.650	396	17.7	20.7	22.2	23.8	25.3	26.8	29.8	
		-9		88.8	1451	217	.600	365	18.3	21.7	23.4	25.2	26.9	28.6	32.0	
		-12	(2)	85.8	1282	197	.55	332	18.1	22.0	24.0	25.9	27.9	29.8	33.7	
		-12	(1)	99.6	2463	291	.78	469	15.0	17.0	18.0	19.0	20.0	21.1	23.1	
	ISA+10°C -36°C	-12		94.5	1981	265	.720	430	16.7	19.2	20.4	21.7	23.0	24.2	26.8	
		-16		90.7	1664	241	.660	394	17.6	20.7	22.2	23.7	25.2	26.7	29.7	
		-20		87.1	1410	217	.600	358	18.3	21.8	23.6	25.4	27.1	28.9	32.4	
		-22	(2)	84.3	1250	197	.55	327	18.1	22.1	24.1	26.1	28.1	30.1	34.1	
		-22	(1)	99.0	2517	295	.79	464	14.5	16.5	17.4	18.4	19.4	20.4	22.4	
		-22		93.3	1981	269	.730	427	16.5	19.0	20.3	21.5	22.8	24.1	26.6	
ISA+0°C -46°C	-26		89.5	1660	245	.670	391	17.5	20.5	22.1	23.6	25.1	26.6	29.6		
	-30		85.9	1403	221	.610	356	18.2	21.8	23.6	25.4	27.1	28.9	32.5		
	-33	(2)	82.6	1213	197	.55	320	18.1	22.2	24.3	26.3	28.4	30.5	34.6		
	-29	(1)	98.4	2578	298	.80	458	13.9	15.8	16.8	17.8	18.7	19.7	21.7		
	-33		92.0	1982	273	.740	423	16.3	18.8	20.1	21.3	22.6	23.9	26.4		
	-37		88.2	1655	249	.680	388	17.4	20.4	21.9	23.4	25.0	26.5	29.5		
ISA-10°C -56°C	-40		84.6	1397	225	.620	354	18.1	21.7	23.5	25.3	27.1	28.9	32.5		
	-43	(2)	81.0	1185	198	.55	314	18.1	22.3	24.4	26.5	28.6	30.7	34.9		
	25000	ISA+20°C -26°C	2	(1)	98.7	2253	281	.76	464	16.1	18.4	19.5	20.6	21.7	22.8	25.0
			-2		94.6	1888	257	.700	426	17.3	19.9	21.3	22.6	23.9	25.2	27.9
			-6		90.7	1586	233	.640	390	18.3	21.4	23.0	24.6	26.1	27.7	30.9
			-10		87.0	1352	210	.580	353	18.7	22.4	24.2	26.1	27.9	29.8	33.5
-13			(2)	83.9	1189	189	.53	320	18.5	22.7	24.8	26.9	29.0	31.1	35.3	
-13			(1)	99.6	2465	292	.79	470	15.0	17.1	18.1	19.1	20.1	21.1	23.1	
ISA+10°C -36°C		-12		94.1	1951	265	.720	430	16.9	19.5	20.7	22.0	23.3	24.6	27.2	
		-16		90.2	1635	241	.660	394	18.0	21.0	22.5	24.1	25.6	27.1	30.2	
		-20		86.5	1380	217	.600	358	18.7	22.3	24.1	25.9	27.7	29.5	33.2	
		-23	(2)	82.4	1160	190	.53	315	18.5	22.8	25.0	27.2	29.3	31.5	35.8	
		-18	(1)	98.9	2519	296	.79	465	14.5	16.5	17.5	18.5	19.5	20.5	22.5	
		-22		92.9	1953	269	.730	427	16.7	19.3	20.6	21.8	23.1	24.4	27.0	
ISA+0°C -46°C	-27		88.4	1587	241	.660	385	18.0	21.1	22.7	24.3	25.8	27.4	30.6		
	-31		84.2	1308	213	.590	344	18.7	22.5	24.4	26.3	28.2	30.1	33.9		
	-34	(2)	80.7	1123	189	.53	307	18.5	22.9	25.2	27.4	29.6	31.8	36.3		
	-29	(1)	98.0	2551	298	.80	458	14.0	16.0	17.0	18.0	18.9	19.9	21.9		
	-33		91.0	1895	269	.730	417	16.7	19.4	20.7	22.0	23.3	24.6	27.3		
	-38		86.5	1539	241	.660	377	18.0	21.2	22.9	24.5	26.1	27.7	31.0		
ISA-10°C -56°C	-42		82.4	1269	213	.590	336	18.6	22.6	24.5	26.5	28.5	30.5	34.4		
	-44	(2)	79.0	1096	190	.53	302	18.4	23.0	25.2	27.5	29.8	32.1	36.6		
	23000	ISA+20°C -26°C	2	(1)	98.7	2254	283	.76	466	16.2	18.4	19.6	20.7	21.8	22.9	25.1
			-2		94.1	1860	257	.700	426	17.6	20.2	21.6	22.9	24.3	25.6	28.3
			-6		90.2	1555	233	.640	390	18.6	21.8	23.4	25.1	26.7	28.3	31.5
			-10		86.4	1322	210	.580	353	19.1	22.9	24.8	26.7	28.6	30.5	34.2
-14			(2)	82.0	1101	182	.51	309	19.0	23.5	25.8	28.1	30.4	32.6	37.2	
-14			(1)	99.6	2466	293	.79	472	15.1	17.1	18.1	19.1	20.1	21.2	23.2	
ISA+10°C -36°C		-17		93.7	1924	265	.720	430	17.1	19.7	21.0	22.3	23.6	24.9	27.5	
		-17		89.1	1559	237	.650	388	18.4	21.7	23.3	24.9	26.5	28.1	31.3	
		-21		84.7	1284	210	.580	346	19.1	23.0	25.0	26.9	28.9	30.8	34.7	
		-24	(2)	80.5	1076	183	.51	304	19.0	23.6	25.9	28.3	30.6	32.9	37.6	
		-18	(1)	98.9	2520	297	.80	467	14.5	16.5	17.5	18.5	19.5	20.5	22.5	
		-23		91.9	1869	265	.720	421	17.2	19.8	21.2	22.5	23.8	25.2	27.9	
ISA+0°C -46°C	-27		87.3	1514	237	.650	379	18.4	21.8	23.4	25.1	26.7	28.4	31.7		
	-31		83.0	1247	210	.580	338	19.1	23.1	25.1	27.1	29.1	31.1	35.1		
	-35	(2)	78.8	1043	183	.51	297	18.9	23.7	26.1	28.5	30.9	33.3	38.1		
	-29	(1)	97.6	2530	298	.80	458	14.2	16.1	17.1	18.1	19.1	20.1	22.1		
	-33		90.7	1871	269	.730	417	17.0	19.6	21.0	22.3	23.6	25.0	27.6		
	-38		86.1	1513	241	.660	377	18.3	21.6	23.2	24.9	26.5	28.2	31.5		
ISA-10°C -56°C	-42		81.8	1242	213	.590	336	19.0	23.1	25.1	27.1	29.1	31.1	35.1		
	-45	(2)	76.9	1007	182	.51	289	18.8	23.7	26.2	28.7	31.2	33.7	38.6		
	20000	ISA+20°C -26°C	2	(1)	98.6	2256	284	.77	469	16.3	18.6	19.7	20.8	21.9	23.0	25.2
			-2		93.6	1824	257	.700	426	17.9	20.6	22.0	23.4	24.7	26.1	28.9
			-7		88.8	1471	229	.630	383	19.3	22.7	24.4	26.1	27.8	29.5	32.9
			-11		84.2	1213	202	.560	341	19.8	24.0	26.0	28.1	30.1	32.2	36.3
-15			(2)	78.7	976	171	.48	292	19.6	24.8	27.3	29.9	32.4	35.0	40.1	
-15			(1)	99.5	2468	294	.79	474	15.1	17.2	18.2	19.2	20.2	21.2	23.2	
ISA+10°C -36°C		-13		92.5	1827	261	.710	424	17.7	20.5	21.8	23.2	24.6	25.9	28.7	
		-18		87.1	1429	229	.630	376	19.3	22.8	24.5	26.3	28.0	29.8	33.3	
		-22		81.9	1145	198	.550	328	19.9	24.3	26.5	28.6	30.8	33.0	37.4	
		-26	(2)	76.8	941	170	.48	283	19.5	24.8	27.5	30.1	32.8	35.4	40.8	
		-18	(1)	98.9	2522	298	.80	468	14.6	16.6	17.6	18.6	19.5	20.5	22.5	
		-23		91.4	1833	265	.720	421	17.5	20.2	21.6	23.0	24.3	25.7	28.4	
ISA+0°C -46°C	-28		86.0	1428	233	.640	373	19.1	22.6	24.4	26.1	27.9	29.6	33.2		
	-32		80.9	1143	202	.560	327	19.8	24.2	26.4	28.6	30.8	32.9	37.3		
	-36	(2)	75.3	914	170	.48	277	19.4	24.9	27.6	30.4	33.1	35.8	41.3		
	-29	(1)	97.1	2490	298	.80	458	14.4	16.4	17.4	18.4	19.4	20.4	22.4		
	-34		89.5	1777	265	.720	411	17.5	20.3	21.7	23.1	24.6	26.0	28.8		
	-39		84.2	1387	233	.640	365	19.1	22.7	24.5	26.3	28.1	29.9	33.5		
ISA-10°C -56°C	-43		79.1	1110	202	.560	319	19.8	24.3	26.5	28.8	31.0	33.3	37.8		
	-46	(2)	74.3	910	174	.49	277	19.5	24.9	27.7	30.4	33.2	35.9	41.4		

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-36°C	-46°C	-56°C
93.3	93.2	95.0

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 33000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	IND KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C -30°C	-3	(1)	99.3	2130	266	.75	455	16.7	19.0	20.2	21.4	22.5	23.7	26.1
		-6		96.6	1901	249	.710	429	17.3	20.0	21.3	22.6	23.9	25.2	27.8
		-9		94.3	1710	234	.670	405	17.8	20.7	22.2	23.7	25.1	26.6	29.5
		-11		92.0	1544	219	.630	380	18.1	21.4	23.0	24.6	26.2	27.9	31.1
		-13		90.5	1447	209	.60	365	18.3	21.7	23.5	25.2	26.9	28.6	32.1
	ISA+10°C -40°C	-12	(1)	100.2	2330	277	.78	463	15.6	17.7	18.8	19.9	21.0	22.0	24.2
		-15		96.6	2015	261	.740	438	16.8	19.3	20.5	21.8	23.0	24.2	26.7
		-18		94.1	1799	245	.700	414	17.5	20.2	21.6	23.0	24.4	25.8	28.6
		-20		91.9	1618	230	.660	390	17.9	21.0	22.6	24.1	25.7	27.2	30.3
		-24	(2)	88.7	1405	209	.60	357	18.3	21.8	23.6	25.4	27.2	29.0	32.5
	ISA+0°C -50°C	-23	(1)	99.3	2358	281	.79	458	15.2	17.3	18.4	19.4	20.5	21.5	23.7
		-26		94.7	1956	261	.740	429	16.8	19.4	20.6	21.9	23.2	24.5	27.0
		-29		91.7	1699	242	.690	399	17.6	20.6	22.0	23.5	25.0	26.4	29.4
		-32		88.9	1491	223	.640	370	18.1	21.5	23.2	24.8	26.5	28.2	31.5
		-34	(2)	87.0	1364	209	.60	349	18.3	21.9	23.8	25.6	27.4	29.3	32.9
	ISA-10°C -60°C	-33	(1)	99.9	2508	285	.80	454	14.1	16.1	17.1	18.1	19.1	20.1	22.1
		-37		93.3	1954	265	.750	425	16.6	19.2	20.5	21.7	23.0	24.3	26.9
		-40		90.3	1692	245	.700	396	17.5	20.5	21.9	23.4	24.9	26.4	29.3
		-43		87.5	1484	226	.650	367	18.0	21.4	23.1	24.8	26.4	28.1	31.5
		-45	(2)	85.2	1328	210	.61	343	18.3	22.0	23.9	25.8	27.7	29.6	33.3
30000	ISA+20°C -30°C	-3	(1)	99.3	2131	267	.75	457	16.7	19.1	20.3	21.4	22.6	23.8	26.1
		-5		97.0	1923	253	.720	435	17.4	20.0	21.3	22.6	23.9	25.2	27.8
		-8		94.6	1740	238	.680	411	17.9	20.7	22.2	23.6	25.0	26.5	29.4
		-11		92.2	1567	223	.640	386	18.3	21.5	23.1	24.7	26.3	27.9	31.0
		-13	(2)	90.0	1415	207	.60	361	18.5	22.0	23.8	25.5	27.3	29.1	32.6
	ISA+10°C -40°C	-12	(1)	100.2	2331	278	.78	464	15.6	17.8	18.8	19.9	21.0	22.1	24.2
		-15		96.4	2000	261	.740	438	16.9	19.4	20.7	21.9	23.2	24.4	26.9
		-18		93.3	1737	242	.690	408	17.7	20.6	22.1	23.5	24.9	26.4	29.3
		-22		90.4	1522	223	.640	378	18.3	21.6	23.2	24.9	26.5	28.1	31.4
		-24	(2)	88.2	1371	207	.60	353	18.5	22.1	23.9	25.8	27.6	29.4	33.1
	ISA+0°C -50°C	-23	(1)	99.3	2359	281	.79	459	15.2	17.3	18.4	19.4	20.5	21.6	23.7
		-26		94.5	1941	261	.740	429	16.9	19.5	20.8	22.1	23.4	24.7	27.2
		-29		91.5	1685	242	.690	399	17.8	20.7	22.2	23.7	25.2	26.7	29.6
		-32		88.6	1476	223	.640	370	18.3	21.7	23.4	25.1	26.8	28.5	31.8
		-35	(2)	86.5	1336	207	.60	347	18.5	22.2	24.1	25.9	27.8	29.7	33.4
	ISA-10°C -60°C	-33	(1)	99.6	2483	285	.80	454	14.3	16.3	17.3	18.3	19.3	20.3	22.3
		-37		93.1	1940	265	.750	425	16.7	19.3	20.6	21.9	23.2	24.5	27.1
		-40		90.1	1678	245	.700	396	17.6	20.6	22.1	23.6	25.1	26.6	29.6
		-43		87.2	1468	226	.650	367	18.2	21.6	23.3	25.0	26.7	28.4	31.8
		-45	(2)	84.5	1293	207	.60	338	18.4	22.3	24.2	26.2	28.1	30.0	33.9
29000	ISA+20°C -30°C	-3	(1)	99.2	2133	268	.76	459	16.8	19.2	20.3	21.5	22.7	23.8	26.2
		-5		96.7	1913	253	.720	435	17.5	20.1	21.5	22.8	24.1	25.4	28.0
		-8		94.3	1720	238	.680	411	18.1	21.0	22.4	23.9	25.3	26.8	29.7
		-11		91.9	1548	223	.640	386	18.5	21.7	23.3	25.0	26.6	28.2	31.4
		-14	(2)	89.3	1375	205	.59	357	18.7	22.3	24.2	26.0	27.8	29.6	33.3
	ISA+10°C -40°C	-12	(1)	100.1	2332	279	.78	465	15.7	17.8	18.9	20.0	21.0	22.1	24.3
		-15		96.1	1981	261	.740	438	17.1	19.6	20.9	22.1	23.4	24.7	27.2
		-18		93.0	1718	242	.690	408	17.9	20.8	22.3	23.8	25.2	26.7	29.6
		-22		90.1	1503	223	.640	378	18.5	21.8	23.5	25.2	26.8	28.5	31.8
		-24	(2)	87.4	1329	204	.59	348	18.7	22.5	24.3	26.2	28.1	30.0	33.7
	ISA+0°C -50°C	-23	(1)	99.3	2360	282	.79	460	15.2	17.4	18.4	19.5	20.5	21.6	23.7
		-26		94.2	1923	261	.740	429	17.1	19.7	21.0	22.3	23.6	24.9	27.5
		-29		91.2	1667	242	.690	399	18.0	21.0	22.5	24.0	25.5	27.0	29.9
		-32		88.3	1458	223	.640	370	18.5	22.0	23.7	25.4	27.1	28.8	32.2
		-35	(2)	85.9	1300	205	.59	343	18.7	22.6	24.5	26.4	28.3	30.2	34.1
	ISA-10°C -60°C	-33	(1)	99.1	2449	285	.80	454	14.5	16.5	17.5	18.5	19.6	20.6	22.6
		-37		92.8	1923	265	.750	425	16.9	19.5	20.8	22.1	23.4	24.7	27.3
		-40		89.8	1661	245	.700	396	17.8	20.8	22.3	23.8	25.3	26.8	29.9
		-43		86.9	1451	226	.650	367	18.4	21.9	23.6	25.3	27.1	28.8	32.2
		-46	(2)	83.7	1250	204	.59	333	18.6	22.6	24.6	26.6	28.6	30.6	34.6
28000	ISA+20°C -30°C	-2	(1)	99.2	2135	269	.76	460	16.9	19.2	20.4	21.6	22.7	23.9	26.2
		-5		96.5	1903	253	.720	435	17.6	20.3	21.6	22.9	24.2	25.5	28.1
		-8		94.0	1701	238	.680	411	18.3	21.2	22.7	24.1	25.6	27.1	30.0
		-11		91.5	1530	223	.640	386	18.7	22.0	23.6	25.3	26.9	28.5	31.8
		-14	(2)	88.6	1335	202	.59	353	19.0	22.7	24.6	26.5	28.3	30.2	34.0
	ISA+10°C -40°C	-12	(1)	100.1	2333	280	.79	467	15.7	17.9	18.9	20.0	21.1	22.1	24.3
		-15		95.9	1963	261	.740	438	17.2	19.8	21.1	22.3	23.6	24.9	27.4
		-18		92.8	1700	242	.690	408	18.1	21.1	22.5	24.0	25.5	26.9	29.9
		-22		89.7	1485	223	.640	378	18.7	22.1	23.8	25.5	27.2	28.8	32.2
		-25	(2)	86.7	1289	201	.58	344	18.9	22.8	24.7	26.7	28.6	30.6	34.4
	ISA+0°C -50°C	-22	(1)	99.2	2362	282	.79	461	15.3	17.4	18.4	19.5	20.6	21.6	23.7
		-26		94.0	1906	261	.740	429	17.3	19.9	21.2	22.5	23.8	25.1	27.8
		-29		90.9	1650	242	.690	399	18.1	21.2	22.7	24.2	25.7	27.2	30.3
		-32		88.0	1441	223	.640	370	18.7	22.2	24.0	25.7	27.4	29.2	32.6
		-35	(2)	85.1	1257	202	.58	338	18.9	22.9	24.9	26.9	28.9	30.9	34.8
	ISA-10°C -60°C	-33	(1)	98.6	2420	285	.80	454	14.6	16.7	17.7	18.8	19.8	20.9	22.9
		-37		92.6	1905	265	.750	425	17.1	19.7	21.0	22.3	23.6	24.9	27.5
		-40		89.5	1644	245	.700	396	18.0	21.0	22.6	24.1	25.6	27.1	30.2
		-43		86.6	1434	226	.650	367	18.7	22.1	23.9	25.6	27.4	29.1	32.6
		-46	(2)	83.1	1216	201	.58	329	18.9	23.0	25.0	27.1	29.2	31.2	35.3

68PPA-01-01

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 33000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								HEADWIND			ZERO WIND	TAILWIND				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
27000	ISA+20°C -30°C	-2	(1)	99.2	2136	270	.76	462	16.9	19.3	20.5	21.6	22.8	24.0	26.3	
		-5		96.2	1887	253	.720	435	17.8	20.4	21.7	23.1	24.4	25.7	28.4	
		-9		93.0	1637	234	.670	405	18.6	21.7	23.2	24.7	26.2	27.8	30.8	
		-12		90.0	1429	215	.620	374	19.2	22.7	24.4	26.2	27.9	29.7	33.2	
		-15	(2)	87.7	1288	198	.57	347	19.2	23.1	25.0	26.9	28.9	30.8	34.7	
		-12	(1)	100.1	2334	280	.79	468	15.8	17.9	19.0	20.0	21.1	22.2	24.3	
	ISA+10°C -40°C	-16		95.0	1888	257	.730	432	17.6	20.3	21.6	22.9	24.2	25.6	28.2	
		-19		91.8	1634	238	.680	402	18.5	21.6	23.1	24.6	26.2	27.7	30.7	
		-22		88.8	1428	219	.630	372	19.1	22.6	24.3	26.1	27.8	29.6	33.1	
		-25	(2)	86.0	1251	198	.58	340	19.2	23.2	25.2	27.2	29.2	31.2	35.2	
		-22	(1)	99.2	2363	283	.79	462	15.3	17.4	18.5	19.5	20.6	21.7	23.8	
		-26		93.7	1889	261	.740	429	17.4	20.1	21.4	22.7	24.0	25.3	28.0	
	ISA+0°C -50°C	-29		90.6	1632	242	.690	399	18.3	21.4	22.9	24.5	26.0	27.5	30.6	
		-32		87.6	1424	223	.640	370	19.0	22.5	24.2	26.0	27.7	29.5	33.0	
		-36	(2)	84.3	1215	199	.58	333	19.2	23.3	25.3	27.4	29.5	31.5	35.6	
		-33	(1)	98.3	2402	285	.80	454	14.7	16.8	17.9	18.9	19.9	21.0	23.1	
		-37		91.7	1832	261	.740	419	17.4	20.1	21.5	22.9	24.2	25.6	28.3	
		-41		88.0	1539	238	.680	385	18.5	21.7	23.4	25.0	26.6	28.2	31.5	
	ISA-10°C -60°C	-44		84.6	1305	215	.620	350	19.2	23.0	24.9	26.8	28.8	30.7	34.5	
		-46	(2)	82.4	1178	198	.58	325	19.1	23.4	25.5	27.6	29.7	31.8	36.1	
		-2	(1)	99.1	2137	272	.77	465	17.1	19.4	20.6	21.8	22.9	24.1	26.4	
		-5		95.7	1855	253	.720	435	18.1	20.8	22.1	23.5	24.8	26.2	29.9	
		-9		92.4	1605	234	.670	405	19.0	22.1	23.7	25.2	26.8	28.3	31.5	
		-12		89.3	1392	215	.620	374	19.7	23.3	25.1	26.9	28.7	30.5	34.1	
25000	ISA+20°C -30°C	-15	(2)	86.0	1203	192	.56	336	19.7	23.8	25.9	28.0	30.0	32.1	36.3	
		-11	(1)	100.0	2336	282	.79	470	15.8	18.0	19.0	20.1	21.2	22.2	24.4	
		-16		94.5	1856	257	.730	432	17.9	20.6	22.0	23.3	24.6	26.0	28.7	
		-20		90.6	1557	234	.670	396	19.0	22.2	23.8	25.4	27.0	28.7	31.9	
		-23		87.0	1321	211	.610	361	19.7	23.5	25.4	27.3	29.2	31.1	34.9	
		-26	(2)	84.1	1160	191	.55	328	19.6	23.9	26.1	28.2	30.4	32.6	36.9	
	ISA+10°C -40°C	-22	(1)	99.2	2365	284	.80	463	15.4	17.5	18.5	19.6	20.6	21.7	23.8	
		-26		93.3	1858	261	.740	429	17.7	20.4	21.7	23.1	24.4	25.8	28.5	
		-30		89.4	1553	238	.680	394	18.9	22.1	23.7	25.3	26.9	28.6	31.8	
		-33		85.8	1314	215	.620	358	19.7	23.5	25.4	27.3	29.2	31.1	34.9	
		-37	(2)	82.4	1123	190	.55	320	19.6	24.0	26.2	28.5	30.7	32.9	37.4	
		-33	(1)	97.6	2357	285	.80	454	15.0	17.1	18.2	19.3	20.3	21.4	23.5	
	ISA-10°C -60°C	-37		91.3	1802	261	.740	419	17.7	20.5	21.9	23.3	24.6	26.0	28.8	
		-41		87.5	1507	238	.680	385	18.9	22.2	23.9	25.5	27.2	28.8	32.2	
		-44		83.9	1273	215	.620	350	19.7	23.6	25.6	27.5	29.5	31.4	35.4	
		-47	(2)	80.6	1096	191	.56	314	19.5	24.1	26.4	28.7	30.9	33.2	37.8	
		-2	(1)	99.0	2138	274	.77	468	17.2	19.5	20.7	21.9	23.0	24.2	26.5	
		-6		94.6	1769	249	.710	429	18.6	21.4	22.8	24.3	25.7	27.1	29.9	
	23000	ISA+20°C -30°C	-10		90.7	1487	226	.650	392	19.7	23.0	24.7	26.4	28.1	29.8	33.1
			-14		87.0	1263	204	.590	356	20.3	24.2	26.2	28.2	30.2	32.2	36.1
			-17	(2)	83.8	1105	183	.53	322	20.1	24.6	26.9	29.2	31.4	33.7	38.2
			-11	(1)	100.0	2337	283	.79	471	15.9	18.0	19.1	20.2	21.2	22.3	24.4
			-16		94.1	1827	257	.730	432	18.2	20.9	22.3	23.7	25.0	26.4	29.1
			-20		90.1	1529	234	.670	396	19.4	22.6	24.3	25.9	27.5	29.2	32.5
ISA+10°C -40°C		-23		86.4	1290	211	.610	361	20.2	24.1	26.0	27.9	29.9	31.8	35.7	
		-27	(2)	82.2	1075	184	.53	316	20.1	24.7	27.1	29.4	31.7	34.0	38.7	
		-22	(1)	99.2	2367	285	.80	464	15.4	17.5	18.6	19.6	20.7	21.7	23.8	
		-27		92.2	1773	257	.730	423	18.2	21.0	22.4	23.9	25.3	26.7	29.5	
		-31		87.7	1443	230	.660	382	19.5	23.0	24.7	26.5	28.2	29.9	33.4	
		-35		83.6	1190	204	.590	341	20.3	24.5	26.6	28.7	30.8	32.9	37.1	
ISA-10°C -60°C		-38	(2)	80.6	1046	184	.54	310	20.1	24.8	27.2	29.6	32.0	34.4	39.2	
		-33	(1)	97.2	2323	285	.80	454	15.2	17.4	18.5	19.6	20.6	21.7	23.9	
		-38		90.3	1719	257	.730	413	18.2	21.1	22.6	24.0	25.5	26.9	29.9	
		-42		85.8	1398	230	.660	373	19.5	23.1	24.9	26.7	28.5	30.3	33.8	
		-46		81.7	1154	204	.590	333	20.2	24.5	26.7	28.9	31.0	33.2	37.5	
		-48	(2)	78.9	1019	185	.54	304	20.0	24.9	27.4	29.8	32.3	34.7	39.6	
20000		ISA+20°C -30°C	-1	(1)	99.0	2141	276	.78	471	17.3	19.6	20.8	22.0	23.1	24.3	26.6
			-6		93.9	1729	249	.710	429	19.0	21.9	23.4	24.8	26.3	27.7	30.6
			-11		89.2	1398	223	.640	386	20.5	24.1	25.9	27.6	29.4	31.2	34.8
			-15		84.8	1158	197	.570	344	21.1	25.4	27.5	29.7	31.9	34.0	38.3
			-19	(2)	80.1	960	170	.50	299	20.8	26.0	28.6	31.2	33.8	36.4	41.6
			-11	(1)	100.0	2339	284	.80	473	15.9	18.1	19.1	20.2	21.3	22.4	24.5
	ISA+10°C -40°C	-16		92.8	1733	253	.720	426	18.8	21.7	23.2	24.6	26.0	27.5	30.4	
		-22		87.4	1360	223	.640	378	20.5	24.1	26.0	27.8	29.7	31.5	35.2	
		-26		82.5	1095	193	.560	331	21.1	25.6	27.9	30.2	32.5	34.8	39.3	
		-29	(2)	78.5	931	170	.50	293	20.7	26.1	28.8	31.5	34.1	36.8	42.2	
		-22	(1)	98.7	2329	285	.80	465	15.7	17.8	18.9	20.0	21.0	22.1	24.3	
		-27		91.0	1682	253	.720	417	18.8	21.8	23.3	24.8	26.3	27.8	30.7	
	ISA-10°C -60°C	-32		85.6	1320	223	.640	370	20.5	24.2	26.1	28.0	29.9	31.8	35.6	
		-37		80.9	1064	193	.560	324	21.0	25.7	28.1	30.4	32.8	35.1	39.8	
		-39	(2)	77.1	910	171	.50	288	20.7	26.2	28.9	31.7	34.4	37.1	42.6	
		-33	(1)	96.6	2276	285	.80	454	15.6	17.8	18.9	20.0	21.1	22.2	24.4	
		-38		89.7	1684	257	.730	413	18.6	21.6	23.1	24.5	26.0	27.5	30.5	
		-42		85.1	1361	230	.660	373	20.1	23.7	25.6	27.4	29.2	31.1	34.8	
	20000	ISA-10°C -60°C	-46		80.8	1116	204	.590	333	20.9	25.4	27.6	29.9	32.1	34.4	38.8
			-50	(2)	75.7	903	174	.51	286	20.6	26.2	28.9	31.7	34.5	37.2	42.8

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-40°C	-50°C	-60°C
93.2	93.2	95.0
INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 35000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	IND KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C -34°C	-7	(1)	99.7	2019	.256	.76	454	17.5	20.0	21.3	22.5	23.7	25.0	27.5
		-10		97.3	1829	.242	.720	432	18.1	20.9	22.2	23.6	25.0	26.3	29.1
		-12		95.0	1649	.227	.680	407	18.6	21.7	23.2	24.7	26.2	27.7	30.8
		-15		92.9	1495	.212	.640	383	18.9	22.3	24.0	25.6	27.3	29.0	32.3
		-17		91.5	1403	.203	.61	367	19.0	22.6	24.4	26.2	27.9	29.7	33.3
		(2)													
	ISA+10°C -44°C	-16	(1)	100.6	2201	.266	.78	461	16.4	18.7	19.8	20.9	22.1	23.2	25.5
		-19		96.6	1879	.249	.740	435	17.8	20.5	21.8	23.1	24.5	25.8	28.4
		-22		94.2	1685	.234	.700	411	18.4	21.4	22.9	24.4	25.9	27.3	30.3
		-25		92.1	1525	.220	.660	387	18.8	22.1	23.7	25.4	27.0	28.7	31.9
		-27	(2)	89.6	1360	.203	.61	359	19.0	22.7	24.6	26.4	28.2	30.1	33.8
		(2)													
	ISA+0°C -54°C	-27	(1)	99.5	2202	.268	.79	454	16.1	18.3	19.5	20.6	21.8	22.9	25.2
		-30		95.3	1881	.253	.750	431	17.6	20.2	21.6	22.9	24.2	25.6	28.2
		-32		92.9	1677	.238	.710	407	18.3	21.3	22.8	24.3	25.8	27.3	30.3
		-35		90.8	1515	.223	.670	384	18.8	22.1	23.7	25.4	27.0	28.7	32.0
		-38	(2)	87.9	1322	.203	.61	352	19.0	22.8	24.7	26.6	28.5	30.4	34.2
		(2)													
	ISA-10°C -64°C	-38	(1)	101.0	2373	.273	.80	450	14.7	16.9	17.9	19.0	20.0	21.1	23.2
		-41		93.3	1822	.253	.750	421	17.6	20.4	21.7	23.1	24.5	25.8	28.6
		-44		90.3	1583	.234	.700	392	18.5	21.6	23.2	24.8	26.4	27.9	31.1
		-47		87.7	1400	.216	.650	364	18.9	22.4	24.2	26.0	27.8	29.6	33.2
		-49	(2)	85.9	1283	.203	.61	344	19.0	22.9	24.9	26.8	28.8	30.7	34.6
		(2)													
30000	ISA+20°C -34°C	-7	(1)	99.7	2019	.257	.76	456	17.6	20.1	21.3	22.6	23.8	25.0	27.5
		-10		97.0	1813	.242	.720	432	18.3	21.1	22.4	23.8	25.2	26.6	29.3
		-12		94.7	1632	.227	.680	407	18.8	21.9	23.4	25.0	26.5	28.0	31.1
		-15		92.6	1478	.212	.640	383	19.2	22.5	24.2	25.9	27.6	29.3	32.7
		-17	(2)	91.1	1384	.203	.61	367	19.3	22.9	24.7	26.5	28.3	30.1	33.7
		(2)													
	ISA+10°C -44°C	-16	(1)	100.6	2202	.267	.79	462	16.4	18.7	19.8	21.0	22.1	23.2	25.5
		-19		96.3	1861	.249	.740	435	18.0	20.7	22.0	23.3	24.7	26.0	28.7
		-22		94.0	1668	.234	.700	411	18.6	21.6	23.1	24.6	26.1	27.6	30.6
		-25		91.8	1508	.220	.660	387	19.0	22.3	24.0	25.7	27.3	29.0	32.3
		-27	(2)	89.2	1340	.202	.61	358	19.3	23.0	24.9	26.8	28.6	30.5	34.2
		(2)													
	ISA+0°C -54°C	-27	(1)	99.5	2203	.269	.79	455	16.1	18.4	19.5	20.6	21.8	22.9	25.2
		-30		95.1	1863	.253	.750	431	17.8	20.4	21.8	23.1	24.5	25.8	28.5
		-32		92.6	1661	.238	.710	407	18.5	21.5	23.0	24.5	26.0	27.5	30.5
		-35		90.5	1499	.223	.670	384	19.0	22.3	24.0	25.6	27.3	29.0	32.3
		-38	(2)	87.5	1302	.203	.61	351	19.3	23.1	25.0	27.0	28.9	30.8	34.6
		(2)													
	ISA-10°C -64°C	-38	(1)	100.3	2339	.273	.80	450	15.0	17.1	18.2	19.2	20.3	21.4	23.5
		-41		93.0	1806	.253	.750	421	17.8	20.5	21.9	23.3	24.7	26.1	28.8
		-44		90.0	1588	.234	.700	392	18.7	21.8	23.4	25.0	26.6	28.2	31.4
		-47		87.4	1385	.216	.650	364	19.1	22.7	24.5	26.3	28.1	29.9	33.5
		-49	(2)	85.5	1265	.203	.61	344	19.3	23.2	25.2	27.2	29.2	31.1	35.1
		(2)													
29000	ISA+20°C -34°C	-7	(1)	99.6	2020	.258	.76	458	17.7	20.2	21.4	22.7	23.9	25.1	27.6
		-10		96.7	1792	.242	.720	432	18.5	21.3	22.7	24.1	25.5	26.9	29.7
		-12		94.4	1610	.227	.680	407	19.1	22.2	23.7	25.3	26.9	28.4	31.5
		-15		92.2	1457	.212	.640	383	19.4	22.9	24.6	26.3	28.0	29.7	33.2
		-17	(2)	90.5	1352	.202	.61	365	19.6	23.3	25.2	27.0	28.9	30.7	34.4
		(2)													
	ISA+10°C -44°C	-16	(1)	100.6	2204	.268	.79	463	16.5	18.8	19.9	21.0	22.2	23.3	25.6
		-19		96.0	1842	.249	.740	435	18.2	20.9	22.2	23.6	25.0	26.3	29.0
		-22		93.6	1647	.234	.700	411	18.9	21.9	23.4	24.9	26.5	28.0	31.0
		-25		91.4	1485	.220	.660	387	19.3	22.7	24.4	26.1	27.7	29.4	32.8
		-28	(2)	88.7	1312	.202	.61	357	19.6	23.4	25.3	27.2	29.1	31.0	34.9
		(2)													
	ISA+0°C -54°C	-27	(1)	99.5	2205	.270	.79	456	16.2	18.4	19.6	20.7	21.8	23.0	25.2
		-30		94.8	1841	.253	.750	431	18.0	20.7	22.0	23.4	24.8	26.1	28.8
		-33		91.7	1597	.234	.700	402	18.9	22.0	23.6	25.1	26.7	28.3	31.4
		-36		89.1	1405	.216	.650	373	19.4	23.0	24.7	26.5	28.3	30.1	33.6
		-38	(2)	86.9	1270	.201	.61	349	19.6	23.5	25.5	27.5	29.5	31.4	35.4
		(2)													
	ISA-10°C -64°C	-38	(1)	99.6	2298	.273	.80	450	15.2	17.4	18.5	19.6	20.7	21.8	23.9
		-41		92.7	1786	.253	.750	421	18.0	20.8	22.2	23.6	25.0	26.4	29.2
		-44		89.7	1548	.234	.700	392	18.9	22.1	23.7	25.3	27.0	28.6	31.8
		-47		87.0	1363	.216	.650	364	19.4	23.0	24.9	26.7	28.5	30.4	34.0
		-49	(2)	85.0	1239	.203	.61	343	19.6	23.6	25.6	27.7	29.7	31.7	35.7
		(2)													
28000	ISA+20°C -34°C	-7	(1)	99.6	2022	.259	.77	460	17.8	20.3	21.5	22.7	24.0	25.2	27.7
		-9		97.0	1823	.246	.730	438	18.5	21.3	22.7	24.0	25.4	26.8	29.5
		-12		94.6	1632	.231	.690	414	19.2	22.3	23.8	25.3	26.9	28.4	31.5
		-14		92.3	1470	.216	.650	389	19.7	23.1	24.8	26.5	28.2	29.9	33.3
		-17	(2)	89.9	1320	.201	.61	363	19.9	23.7	25.6	27.5	29.4	31.3	35.1
		(2)													
	ISA+10°C -44°C	-16	(1)	100.6	2205	.268	.79	465	16.5	18.8	19.9	21.1	22.2	23.3	25.6
		-19		95.7	1822	.249	.740	435	18.4	21.1	22.5	23.9	25.2	26.6	29.3
		-23		92.7	1584	.231	.690	405	19.2	22.4	24.0	25.6	27.1	28.7	31.9
		-26		89.9	1393	.212	.640	375	19.8	23.3	25.1	26.9	28.7	30.5	34.1
		-28	(2)	88.1	1279	.200	.61	355	19.9	23.9	25.8	27.8	29.7	31.7	35.6
		(2)													
	ISA+0°C -54°C	-27	(1)	99.4	2207	.270	.79	457	16.2	18.5	19.6	20.7	21.9	23.0	25.3
		-30		94.4	1821	.253	.750	431	18.2	20.9	22.3	23.7	25.0	26.4	29.2
		-33		91.4	1578	.234	.700	402	19.1	22.3	23.9	25.5	27.0	28.6	31.8
		-36		88.6	1383	.216	.650	373	19.7	23.3	25.1	26.9	28.8	30.6	34.2
		-39	(2)	86.2	1236	.200	.60	346	19.9	24.0	26.0	28.0	30.0	32.1	

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 35000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL						
								H E A D W I N D			Z E R O W I N D	T A I L W I N D		
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT
27000	ISA+20°C -34°C	-6	(1) 99.6	2024	260	.77	461	17.9	20.3	21.6	22.8	24.0	25.3	27.7
		-9	96.7	1804	246	.730	438	18.7	21.5	22.9	24.3	25.7	27.1	29.8
		-12	94.3	1613	231	.690	414	19.4	22.5	24.1	25.6	27.2	28.7	31.8
	(2)	-14	91.9	1449	216	.650	389	20.0	23.4	25.1	26.9	28.6	30.3	33.8
		-17	89.2	1281	198	.60	359	20.2	24.1	26.1	28.0	30.0	31.9	35.8
		-16	(1) 100.5	2206	269	.79	466	16.6	18.8	20.0	21.1	22.2	23.4	25.6
	ISA+10°C -44°C	-19	95.4	1803	249	.740	435	18.6	21.3	22.7	24.1	25.5	26.9	29.7
		-23	92.4	1566	231	.690	405	19.5	22.7	24.3	25.9	27.4	29.0	32.2
		-26	89.5	1373	212	.640	375	20.0	23.7	25.5	27.3	29.1	31.0	34.6
	(2)	-28	87.2	1234	197	.60	349	20.2	24.3	26.3	28.3	30.3	32.4	36.4
		-27	(1) 99.4	2208	271	.80	458	16.2	18.5	19.6	20.8	21.9	23.0	25.3
		-30	94.2	1803	253	.750	431	18.4	21.1	22.5	23.9	25.3	26.7	29.4
ISA+0°C -54°C	-33	91.1	1560	234	.700	402	19.3	22.5	24.1	25.7	27.3	28.9	32.1	
	-36	88.2	1364	216	.650	373	20.0	23.6	25.5	27.3	29.1	31.0	34.6	
	-39	(2) 85.4	1194	196	.60	341	20.2	24.4	26.5	28.6	30.6	32.7	36.9	
ISA-10°C -64°C	-38	(1) 98.5	2249	273	.80	450	15.6	17.8	18.9	20.0	21.1	22.2	24.5	
	-41	92.1	1747	253	.750	421	18.4	21.2	22.7	24.1	25.5	27.0	29.8	
	-44	89.1	1513	234	.700	392	19.3	22.6	24.3	25.9	27.6	29.2	32.5	
(2)	-47	86.2	1323	216	.650	364	20.0	23.7	25.6	27.5	29.4	31.3	35.1	
	-49	(2) 83.6	1170	198	.60	336	20.2	24.4	26.6	28.7	30.8	33.0	37.3	
	25000	ISA+20°C -34°C	-6	(1) 99.5	2027	262	.77	465	18.0	20.5	21.7	22.9	24.2	25.4
-9			96.2	1767	246	.730	438	19.1	22.0	23.4	24.8	26.2	27.6	30.4
-12			93.0	1532	227	.680	407	20.1	23.3	25.0	26.6	28.2	29.9	33.1
(2)		-16	90.0	1341	209	.630	377	20.7	24.4	26.3	28.1	30.0	31.8	35.6
		-18	87.7	1202	193	.59	350	20.8	25.0	27.1	29.2	31.2	33.3	37.5
		-16	(1) 100.5	2208	270	.79	468	16.7	18.9	20.0	21.2	22.3	23.4	25.7
ISA+10°C -44°C		-19	94.9	1767	249	.740	435	18.9	21.8	23.2	24.6	26.0	27.4	30.3
		-23	91.8	1529	231	.690	405	19.9	23.2	24.8	26.5	28.1	29.7	33.0
		-26	88.8	1337	212	.640	375	20.6	24.3	26.2	28.1	29.9	31.8	35.5
(2)		-29	85.8	1159	192	.58	341	20.8	25.1	27.2	29.4	31.6	33.7	38.0
		-26	(1) 99.4	2210	272	.80	460	16.3	18.5	19.7	20.8	21.9	23.1	25.3
		-31	93.0	1715	249	.740	425	19.0	21.9	23.3	24.8	26.2	27.7	30.6
ISA+0°C -54°C	-34	89.9	1483	231	.690	396	19.9	23.3	25.0	26.7	28.4	30.1	33.4	
	-37	87.0	1296	212	.640	367	20.6	24.4	26.4	28.3	30.2	32.2	36.0	
	-40	(2) 84.0	1120	191	.58	333	20.8	25.2	27.5	29.7	31.9	34.1	38.6	
ISA-10°C -64°C	-38	(1) 97.6	2187	273	.80	450	16.0	18.3	19.4	20.6	21.7	22.9	25.1	
	-42	90.9	1662	249	.740	415	19.0	22.0	23.5	25.0	26.5	28.0	31.0	
	-45	87.3	1398	227	.680	381	20.1	23.7	25.5	27.2	29.0	30.8	34.4	
(2)	-48	83.9	1190	205	.620	347	20.8	25.0	27.1	29.2	31.3	33.4	37.6	
	-51	(2) 81.8	1084	191	.58	324	20.6	25.2	27.6	29.9	32.2	34.5	39.1	
	23000	ISA+20°C -34°C	-6	(1) 99.5	2029	264	.78	468	18.1	20.6	21.8	23.0	24.3	25.5
-10			95.0	1682	242	.720	432	19.7	22.7	24.2	25.7	27.2	28.6	31.6
-13			91.7	1457	223	.670	401	20.7	24.1	25.8	27.5	29.3	31.0	34.4
(2)		-16	88.7	1268	205	.620	371	21.4	25.3	27.3	29.3	31.2	33.2	37.2
		-19	85.7	1111	185	.56	337	21.3	25.8	28.1	30.3	32.6	34.8	39.3
		-15	(1) 100.5	2210	272	.80	469	16.7	19.0	20.1	21.2	22.4	23.5	25.8
ISA+10°C -44°C		-19	94.4	1735	249	.740	435	19.3	22.2	23.6	25.1	26.5	27.9	30.8
		-23	90.5	1454	227	.680	399	20.6	24.0	25.7	27.4	29.2	30.9	34.3
		-27	86.9	1232	205	.620	363	21.4	25.4	27.5	29.5	31.5	33.6	37.6
(2)		-30	84.0	1079	185	.56	330	21.3	26.0	28.3	30.6	32.9	35.2	39.9
		-26	(1) 99.0	2182	273	.80	461	16.5	18.8	20.0	21.1	22.2	23.4	25.7
		-31	92.5	1683	249	.740	425	19.3	22.3	23.8	25.2	26.7	28.2	31.2
ISA+0°C -54°C	-34	88.7	1409	227	.680	390	20.6	24.1	25.9	27.7	29.4	31.2	34.8	
	-38	85.1	1195	205	.620	355	21.4	25.6	27.6	29.7	31.8	33.9	38.1	
	-41	(2) 82.2	1041	184	.56	321	21.3	26.1	28.5	30.9	33.3	35.7	40.5	
ISA-10°C -64°C	-38	(1) 96.8	2134	273	.80	450	16.4	18.7	19.9	21.1	22.3	23.4	25.8	
	-42	90.5	1632	249	.740	415	19.3	22.4	23.9	25.4	27.0	28.5	31.6	
	-45	86.7	1366	227	.680	381	20.6	24.2	26.1	27.9	29.7	31.5	35.2	
(2)	-48	83.2	1158	205	.620	347	21.3	25.7	27.8	30.0	32.1	34.3	38.6	
	-51	(2) 80.4	1017	186	.56	316	21.2	26.1	28.6	31.0	33.5	36.0	40.9	
	20000	ISA+20°C -34°C	-5	(1) 99.4	2031	266	.78	471	18.3	20.7	22.0	23.2	24.4	25.6
-10			94.3	1639	242	.720	432	20.2	23.3	24.8	26.3	27.9	29.4	32.4
-14			90.3	1375	220	.660	395	21.5	25.1	26.9	28.8	30.6	32.4	36.0
(2)		-17	86.6	1162	198	.600	359	22.3	26.6	28.7	30.9	33.0	35.2	39.5
		-21	82.2	971	172	.53	314	22.1	27.2	29.8	32.4	35.0	37.5	42.7
		-15	(1) 100.2	2196	273	.80	471	16.9	19.2	20.3	21.4	22.6	23.7	26.0
ISA+10°C -44°C		-20	93.1	1642	246	.730	429	20.0	23.1	24.6	26.1	27.6	29.2	32.2
		-25	88.5	1334	220	.660	387	21.5	25.3	27.1	29.0	30.9	32.7	36.5
		-29	84.3	1101	195	.590	346	22.3	26.9	29.1	31.4	33.7	35.9	40.5
(2)		-32	80.8	954	174	.53	311	22.1	27.4	30.0	32.6	35.2	37.9	43.1
		-26	(1) 98.2	2129	273	.80	461	16.9	19.3	20.5	21.6	22.8	24.0	26.3
		-31	91.2	1592	246	.730	419	20.0	23.2	24.8	26.3	27.9	29.5	32.6
ISA+0°C -54°C	-35	86.7	1294	220	.660	378	21.5	25.4	27.3	29.2	31.2	33.1	37.0	
	-39	82.6	1067	195	.590	338	22.3	27.0	29.3	31.7	34.0	36.4	41.0	
	-42	(2) 79.1	921	173	.53	303	22.1	27.5	30.2	32.9	35.6	38.3	43.8	
ISA-10°C -64°C	-38	(1) 96.1	2083	273	.80	450	16.8	19.2	20.4	21.6	22.8	24.0	26.4	
	-42	89.1	1543	246	.730	409	20.1	23.3	24.9	26.5	28.2	29.8	33.0	
	-46	84.7	1254	220	.660	370	21.5	25.5	27.5	29.5	31.5	33.5	37.5	
(2)	-50	80.6	1036	195	.590	330	22.2	27.0	29.5	31.9	34.3	36.7	41.5	
	-53	(2) 77.3	901	174	.53	298	22.0	27.5	30.3	33.1	35.8	38.6	44.1	

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-44°C	-54°C	-64°C
93.2	93.2	95.2

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 37000 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
							HEADWIND			ZERO WIND	TAILWIND				
							100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
30775	ISA+20°C -37°C	-10	(1)	99.4	1841	240	.75	445	18.8	21.5	22.8	24.2	25.6	26.9	29.6
		-13		97.2	1668	227	.710	424	19.4	22.4	23.9	25.4	26.9	28.4	31.4
		-15		95.6	1548	217	.680	406	19.7	23.0	24.6	26.2	27.8	29.4	32.7
		-17		94.1	1442	206	.650	387	19.9	23.4	25.1	26.9	28.6	30.3	33.8
		-19		92.7	1350	196	.62	370	20.0	23.7	25.5	27.4	29.2	31.1	34.8
	ISA+10°C -47°C	-19	(1)	100.5	2015	252	.78	455	17.6	20.1	21.4	22.6	23.8	25.1	27.6
		-22		97.1	1758	238	.740	433	18.9	21.8	23.2	24.6	26.0	27.5	30.3
		-24		94.7	1579	224	.700	409	19.5	22.7	24.3	25.9	27.5	29.0	32.2
		-27		92.7	1432	210	.660	385	19.9	23.4	25.1	26.9	28.6	30.4	33.9
		-29	(2)	90.8	1314	196	.62	362	20.0	23.8	25.7	27.6	29.5	31.4	35.2
	ISA+0°C -57°C	-30	(1)	98.9	1979	253	.78	447	17.5	20.0	21.3	22.6	23.8	25.1	27.6
		-33		95.1	1704	238	.740	423	19.0	21.9	23.4	24.8	26.3	27.8	30.7
		-35		92.8	1532	224	.700	400	19.6	22.8	24.5	26.1	27.7	29.4	32.6
		-38		90.8	1389	210	.660	377	19.9	23.5	25.3	27.1	28.9	30.7	34.3
		-40	(2)	88.9	1272	196	.62	354	19.9	23.9	25.8	27.8	29.8	31.7	35.7
	ISA-10°C -67°C	-40	(1)	101.1	2175	259	.80	445	15.9	18.2	19.3	20.5	21.6	22.8	25.1
		-43		93.7	1700	242	.750	419	18.8	21.7	23.2	24.6	26.1	27.6	30.5
		-46		91.2	1521	227	.710	396	19.5	22.7	24.4	26.0	27.7	29.3	32.6
		-48		89.2	1378	213	.670	373	19.8	23.5	25.3	27.1	28.9	30.7	34.4
		-51	(2)	86.8	1227	195	.62	344	19.9	24.0	26.0	28.0	30.1	32.1	36.2
30000	ISA+20°C -37°C	-10	(1)	99.4	1841	241	.75	448	18.9	21.6	22.9	24.3	25.7	27.0	29.7
		-12		97.4	1692	231	.720	430	19.5	22.4	23.9	25.4	26.9	28.4	31.3
		-14		95.8	1568	220	.690	412	19.9	23.1	24.7	26.3	27.9	29.4	32.6
		-16		94.2	1457	210	.660	394	20.1	23.6	25.3	27.0	28.7	30.4	33.9
		-19	(2)	92.2	1327	195	.62	369	20.3	24.0	25.9	27.8	29.7	31.6	35.3
	ISA+10°C -47°C	-19	(1)	100.5	2017	253	.78	457	17.7	20.2	21.4	22.6	23.9	25.1	27.6
		-22		96.8	1739	238	.740	433	19.1	22.0	23.4	24.9	26.3	27.7	30.6
		-24		94.4	1560	224	.700	409	19.8	23.0	24.6	26.2	27.8	29.4	32.6
		-27		92.4	1415	210	.660	385	20.2	23.7	25.5	27.2	29.0	30.8	34.3
		-29	(2)	90.3	1285	195	.62	360	20.2	24.1	26.1	28.0	30.0	31.9	35.8
	ISA+0°C -57°C	-30	(1)	98.8	1981	254	.78	448	17.6	20.1	21.4	22.6	23.9	25.1	27.7
		-33		94.8	1686	238	.740	423	19.2	22.1	23.6	25.1	26.6	28.0	31.0
		-35		92.5	1513	224	.700	400	19.8	23.1	24.8	26.4	28.1	29.7	33.0
		-38		90.5	1372	210	.660	377	20.2	23.8	25.6	27.4	29.3	31.1	34.7
		-40	(2)	88.3	1242	194	.62	351	20.2	24.2	26.2	28.2	30.3	32.3	36.3
	ISA-10°C -67°C	-40	(1)	101.1	2177	259	.80	446	15.9	18.2	19.3	20.5	21.6	22.8	25.1
		-43		93.4	1681	242	.750	419	19.0	21.9	23.4	24.9	26.4	27.9	30.9
		-46		90.4	1466	224	.700	390	19.8	23.2	24.9	26.6	28.3	30.0	33.4
		-49		87.9	1298	206	.650	362	20.2	24.0	26.0	27.9	29.8	31.7	35.6
		-51	(2)	86.4	1208	195	.62	344	20.2	24.3	26.4	28.5	30.5	32.6	36.8
29000	ISA+20°C -37°C	-10	(1)	99.3	1843	243	.75	450	19.0	21.7	23.1	24.4	25.8	27.2	29.9
		-12		97.0	1668	231	.720	430	19.8	22.8	24.3	25.8	27.3	28.8	31.8
		-14		95.4	1544	220	.690	412	20.2	23.4	25.0	26.7	28.3	29.9	33.1
		-16		93.8	1435	210	.660	394	20.5	23.9	25.7	27.4	29.2	30.9	34.4
		-19	(2)	91.6	1300	195	.62	368	20.6	24.5	26.4	28.3	30.2	32.2	36.0
	ISA+10°C -47°C	-19	(1)	100.4	2019	254	.78	459	17.8	20.2	21.5	22.7	23.9	25.2	27.7
		-22		96.4	1714	238	.740	433	19.4	22.3	23.8	25.2	26.7	28.2	31.1
		-24		94.0	1536	224	.700	409	20.1	23.4	25.0	26.6	28.2	29.9	33.1
		-27		91.9	1393	210	.660	385	20.5	24.1	25.9	27.7	29.4	31.2	34.8
		-30	(2)	89.7	1258	194	.62	359	20.6	24.6	26.6	28.6	30.5	32.5	36.5
	ISA+0°C -57°C	-30	(1)	98.8	1984	255	.79	450	17.6	20.1	21.4	22.7	23.9	25.2	27.7
		-33		94.4	1662	238	.740	423	19.4	22.4	23.9	25.4	26.9	28.5	31.5
		-35		92.1	1490	224	.700	400	20.1	23.5	25.1	26.8	28.5	30.2	33.5
		-38		90.1	1351	210	.660	377	20.5	24.2	26.0	27.9	29.7	31.6	35.3
		-40	(2)	87.8	1217	194	.61	350	20.6	24.7	26.7	28.8	30.8	32.9	37.0
	ISA-10°C -67°C	-40	(1)	101.1	2180	260	.80	447	15.9	18.2	19.4	20.5	21.7	22.9	25.1
		-43		93.0	1660	242	.750	419	19.2	22.2	23.7	25.2	26.7	28.2	31.3
		-46		90.0	1445	224	.700	390	20.1	23.6	25.3	27.0	28.8	30.5	33.9
		-49		87.5	1277	206	.650	362	20.5	24.4	26.4	28.4	30.3	32.3	36.2
		-51	(2)	85.9	1184	195	.62	344	20.6	24.8	26.9	29.0	31.1	33.2	37.5
28000	ISA+20°C -37°C	-9	(1)	99.3	1844	245	.76	453	19.1	21.9	23.2	24.6	25.9	27.3	30.0
		-12		96.6	1645	231	.720	430	20.1	23.1	24.6	26.1	27.7	29.2	32.2
		-15		94.4	1482	217	.680	406	20.6	24.0	25.7	27.4	29.1	30.7	34.1
		-17		92.3	1346	203	.640	381	20.9	24.6	26.5	28.4	30.2	32.1	35.8
		-19	(2)	91.0	1271	194	.62	367	21.0	24.9	26.9	28.8	30.8	32.8	36.7
	ISA+10°C -47°C	-19	(1)	100.4	2021	255	.79	460	17.8	20.3	21.5	22.8	24.0	25.2	27.7
		-22		96.0	1690	238	.740	433	19.7	22.6	24.1	25.6	27.1	28.6	31.5
		-24		93.6	1514	224	.700	409	20.4	23.7	25.4	27.0	28.7	30.3	33.6
		-27		91.5	1371	210	.660	385	20.8	24.4	26.3	28.1	29.9	31.7	35.4
		-30	(2)	89.2	1234	194	.62	359	21.0	25.0	27.1	29.1	31.1	33.1	37.2
	ISA+0°C -57°C	-30	(1)	98.8	1987	256	.79	451	17.7	20.2	21.5	22.7	24.0	25.2	27.7
		-33		94.0	1638	238	.740	423	19.7	22.8	24.3	25.8	27.3	28.9	31.9
		-35		91.7	1468	224	.700	400	20.4	23.8	25.5	27.2	28.9	30.6	34.0
		-38		89.7	1330	210	.660	377	20.8	24.5	26.4	28.3	30.2	32.1	35.8
		-40	(2)	87.3	1196	194	.62	351	21.0	25.1	27.2	29.3	31.4	33.5	37.7
	ISA-10°C -67°C	-40	(1)	100.3	2150	260	.80	448	16.2	18.5	19.7	20.8	22.0	23.1	25.5
		-43		92.6	1638	242	.750	419	19.5	22.5	24.0	25.6	27.1	28.6	31.7
		-46		89.6	1424	224	.700	390	20.4	23.9	25.7	27.4	29.2	30.9	34.4
		-49		87.1	1258	206	.650	362	20.8	24.8	26.8	28.8	30.8	32.8	36.7
		-51	(2)	85.4	1162	195	.62	343	21.0	25.3	27.4	29.6	31.7	33.9	38.2

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 37000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								H E A D W I N D			Z E R O W I N D	T A I L W I N D				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
27000	ISA+20°C -37°C	-9	(1)	99.2	1846	246	.76	455	19.2	22.0	23.3	24.7	26.0	27.4	30.1	
		-12		96.3	1623	231	.720	430	20.3	23.4	25.0	26.5	28.0	29.6	32.7	
		-15		94.0	1460	217	.680	406	20.9	24.4	26.1	27.8	29.5	31.2	34.6	
		-17		91.9	1324	203	.640	381	21.3	25.0	26.9	28.8	30.7	32.6	36.4	
		-19	(2)	90.4	1241	193	.61	365	21.4	25.4	27.4	29.4	31.4	33.4	37.5	
		-18	(1)	100.4	2023	256	.79	461	17.9	20.3	21.6	22.8	24.0	25.3	27.8	
	ISA+10°C -47°C	-22		95.6	1667	238	.740	433	19.9	22.9	24.4	25.9	27.4	28.9	31.9	
		-24		93.2	1493	224	.700	409	20.7	24.0	25.7	27.4	29.1	30.7	34.1	
		-27		91.1	1349	210	.660	385	21.1	24.8	26.7	28.5	30.4	32.2	36.0	
		-30	(2)	88.7	1210	194	.61	359	21.4	25.5	27.6	29.6	31.7	33.8	37.9	
		-30	(1)	98.8	1989	257	.79	453	17.7	20.2	21.5	22.8	24.0	25.3	27.8	
		-32		94.4	1669	242	.750	429	19.7	22.7	24.2	25.7	27.2	28.7	31.7	
	ISA+0°C -57°C	-35		91.9	1487	227	.710	405	20.5	23.9	25.6	27.3	28.9	30.6	34.0	
		-37		89.8	1341	213	.670	382	21.1	24.8	26.6	28.5	30.4	32.2	36.0	
		-40	(2)	86.8	1172	194	.61	350	21.3	25.6	27.7	29.9	32.0	34.1	38.4	
		-40	(1)	99.4	2107	260	.80	448	16.5	18.9	20.1	21.2	22.4	23.6	26.0	
		-43		92.2	1617	242	.750	419	19.7	22.8	24.4	25.9	27.4	29.0	32.1	
		-46		89.2	1404	224	.700	390	20.7	24.2	26.0	27.8	29.6	31.4	34.9	
ISA-10°C -67°C	-49		86.7	1238	206	.650	362	21.2	25.2	27.2	29.2	31.3	33.3	37.3		
	-51	(2)	84.8	1139	194	.62	343	21.3	25.7	27.9	30.1	32.3	34.5	38.9		
	25000	ISA+20°C -37°C	-9	(1)	99.1	1848	248	.77	459	19.4	22.1	23.5	24.8	26.2	27.6	30.3
			-11		96.2	1629	234	.730	436	20.6	23.7	25.2	26.8	28.3	29.8	32.9
			-14		93.8	1457	220	.690	412	21.4	24.8	26.5	28.2	30.0	31.7	35.1
			-17		91.5	1313	206	.650	387	21.9	25.7	27.6	29.5	31.4	33.3	37.1
-20			(2)	88.9	1171	190	.60	359	22.1	26.4	28.5	30.7	32.8	34.9	39.2	
-18			(1)	100.3	2027	257	.79	464	18.0	20.4	21.7	22.9	24.1	25.4	27.8	
ISA+10°C -47°C		-22		95.0	1628	238	.740	433	20.4	23.5	25.0	26.6	28.1	29.6	32.7	
		-25		92.0	1415	220	.690	403	21.4	24.9	26.7	28.5	30.2	32.0	35.5	
		-28		89.1	1244	203	.640	373	22.0	26.0	28.0	30.0	32.0	34.0	38.0	
		-30	(2)	87.1	1132	189	.60	350	22.1	26.5	28.7	31.0	33.2	35.4	39.8	
		-29	(1)	98.8	1993	258	.79	455	17.8	20.3	21.6	22.8	24.1	25.3	27.8	
		-32		93.7	1628	242	.750	429	20.2	23.3	24.8	26.3	27.9	29.4	32.5	
ISA+0°C -57°C		-35		90.6	1410	224	.700	400	21.3	24.8	26.6	28.3	30.1	31.9	35.4	
		-38		87.8	1235	206	.650	371	21.9	26.0	28.0	30.0	32.0	34.1	38.1	
		-41	(2)	85.4	1107	191	.61	345	22.1	26.6	28.9	31.2	33.4	35.7	40.2	
		-40	(1)	98.2	2034	260	.80	448	17.1	19.5	20.8	22.0	23.2	24.5	26.9	
		-43		91.6	1578	242	.750	419	20.2	23.4	25.0	26.5	28.1	29.7	32.9	
		-46		88.6	1367	224	.700	390	21.2	24.9	26.7	28.6	30.4	32.2	35.9	
ISA-10°C -67°C	-49		85.8	1197	206	.650	362	21.9	26.1	28.2	30.3	32.3	34.4	38.6		
	-51	(2)	83.6	1083	192	.61	340	22.1	26.7	29.0	31.4	33.7	36.0	40.6		
	23000	ISA+20°C -37°C	-8	(1)	99.0	1850	250	.77	463	19.6	22.3	23.7	25.0	26.4	27.7	30.4
			-11		95.6	1593	234	.730	436	21.1	24.2	25.8	27.4	28.9	30.5	33.6
			-15		92.5	1381	217	.680	406	22.1	25.7	27.6	29.4	31.2	33.0	36.6
			-18		89.5	1210	199	.630	375	22.8	26.9	29.0	31.0	33.1	35.2	39.3
-21			(2)	87.0	1082	183	.58	346	22.8	27.4	29.7	32.0	34.3	36.6	41.3	
-18			(1)	100.3	2029	259	.80	466	18.1	20.5	21.7	23.0	24.2	25.4	27.9	
ISA+10°C -47°C		-22		94.4	1592	238	.740	433	20.9	24.0	25.6	27.2	28.7	30.3	33.4	
		-25		91.3	1379	220	.690	403	22.0	25.6	27.4	29.2	31.0	32.8	36.5	
		-28		88.3	1207	203	.640	373	22.6	26.8	28.9	30.9	33.0	35.1	39.2	
		-31	(2)	85.4	1055	183	.58	340	22.8	27.5	29.9	32.2	34.6	37.0	41.7	
		-29	(1)	98.7	1997	259	.80	457	17.9	20.4	21.6	22.9	24.1	25.4	27.9	
		-33		92.5	1545	238	.740	423	20.9	24.1	25.8	27.4	29.0	30.6	33.8	
ISA+0°C -57°C		-36		89.4	1338	220	.690	394	22.0	25.7	27.6	29.4	31.3	33.2	36.9	
		-39		86.5	1171	203	.640	365	22.6	26.9	29.0	31.2	33.3	35.5	39.7	
		-42	(2)	83.7	1027	184	.59	334	22.7	27.6	30.0	32.5	34.9	37.3	42.2	
		-40	(1)	97.1	1970	260	.80	448	17.6	20.2	21.5	22.7	24.0	25.3	27.8	
		-43		91.0	1544	242	.750	419	20.6	23.9	25.5	27.1	28.7	30.4	33.6	
		-46		87.9	1334	224	.700	390	21.8	25.5	27.4	29.3	31.1	33.0	36.8	
ISA-10°C -67°C	-49		85.0	1163	206	.650	362	22.5	26.8	29.0	31.1	33.3	35.4	39.7		
	-52	(2)	82.0	1009	186	.59	329	22.7	27.7	30.2	32.6	35.1	37.6	42.5		
	20000	ISA+20°C -37°C	-8	(1)	98.9	1852	253	.78	467	19.8	22.5	23.9	25.2	26.6	27.9	30.6
			-12		94.1	1499	231	.720	430	22.0	25.3	27.0	28.7	30.4	32.0	35.4
			-16		90.2	1261	210	.660	394	23.3	27.2	29.2	31.2	33.2	35.2	39.1
			-20		86.7	1074	189	.600	358	24.0	28.6	31.0	33.3	35.6	38.0	42.6
-22			(2)	84.0	959	173	.55	328	23.8	29.0	31.6	34.2	36.8	39.4	44.6	
-18			(1)	100.2	2026	260	.80	469	18.2	20.7	21.9	23.1	24.4	25.6	28.1	
ISA+10°C -47°C		-22		93.6	1546	238	.740	433	21.5	24.8	26.4	28.0	29.6	31.2	34.5	
		-26		89.6	1293	217	.680	397	23.0	26.8	28.8	30.7	32.6	34.6	38.4	
		-29		86.0	1095	196	.620	362	23.9	28.5	30.7	33.0	35.3	37.6	42.2	
		-33	(2)	82.0	923	171	.55	319	23.7	29.1	31.8	34.5	37.2	39.9	45.4	
		-29	(1)	98.2	1965	260	.80	458	18.2	20.8	22.1	23.3	24.6	25.9	28.4	
		-33		91.7	1499	238	.740	423	21.5	24.9	26.5	28.2	29.9	31.5	34.9	
ISA+0°C -57°C		-37		87.8	1254	217	.680	388	23.0	27.0	28.9	30.9	32.9	34.9	38.9	
		-40		84.2	1062	196	.620	354	23.9	28.6	30.9	33.3	35.7	38.0	42.7	
		-44	(2)	80.5	904	172	.55	314	23.7	29.2	32.0	34.7	37.5	40.3	45.8	
		-44	(1)	96.0	1900	260	.80	448	18.3	20.9	22.2	23.6	24.9	26.2	28.8	
		-44		89.6	1452	238	.740	413	21.6	25.0	26.7	28.4	30.2	31.9	35.3	
		-48		85.7	1214	217	.680	379	23.0	27.1	29.2	31.2	33.3	35.3	39.4	
ISA-10°C -67°C	-51		82.2	1028	196	.620	345	23.9	28.7	31.1	33.6	36.0	38.4	43.3		
	-54	(2)	78.0	866	170	.54	303	23.4	29.2	32.1	35.0	37.9	40.8	46.5		

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-47°C	-57°C	-67°C
91.4	90.6	92.7
INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%		

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 39000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL									
							HEADWIND			ZERO WIND	TAILWIND					
							100 KT	50 KT	25 KT		25 KT	50 KT	100 KT			
30775	ISA+20°C -37°C	-12	(1)	99.0	1639	219	.72	428	20.0	23.1	24.6	26.1	27.7	29.2	32.2	
		-14		97.4	1532	210	.690	412	20.3	23.6	25.2	26.9	28.5	30.1	33.4	
		-15		96.5	1465	203	.670	400	20.4	23.9	25.6	27.3	29.0	30.7	34.1	
		-17		95.6	1402	197	.650	387	20.5	24.1	25.9	27.6	29.4	31.2	34.8	
		-18		94.6	1332	189	.63	374	20.5	24.3	26.2	28.0	29.9	31.8	35.6	
		-20	(1)	100.2	1798	235	.76	446	19.2	22.0	23.4	24.8	26.2	27.6	30.4	
	ISA+10°C -47°C	-23		97.7	1637	224	.730	427	20.0	23.0	24.5	26.1	27.6	29.1	32.2	
		-24		96.0	1523	213	.700	409	20.3	23.6	25.2	26.8	28.5	30.1	33.4	
		-26		94.5	1421	203	.670	391	20.5	24.0	25.8	27.5	29.3	31.0	34.6	
		-29	(2)	92.6	1287	188	.62	364	20.5	24.4	26.4	28.3	30.2	32.2	36.1	
		-32	(1)	98.1	1737	235	.76	435	19.3	22.2	23.6	25.1	26.5	27.9	30.8	
		-34		95.8	1587	224	.730	417	20.0	23.1	24.7	26.3	27.9	29.4	32.6	
	ISA+0°C -57°C	-35		94.0	1476	213	.700	400	20.3	23.7	25.4	27.1	28.8	30.5	33.8	
		-37		92.6	1378	203	.670	382	20.5	24.1	25.9	27.7	29.6	31.4	35.0	
		-40	(2)	90.7	1247	188	.62	356	20.5	24.5	26.5	28.5	30.5	32.6	36.6	
		-41	(1)	100.3	1936	244	.79	440	17.6	20.1	21.4	22.7	24.0	25.3	27.9	
		-43		94.9	1620	231	.750	419	19.7	22.8	24.3	25.8	27.4	28.9	32.0	
		-46		92.5	1466	217	.710	396	20.2	23.6	25.3	27.0	28.7	30.4	33.8	
	ISA-10°C -67°C	-48		90.5	1336	203	.670	373	20.5	24.2	26.1	28.0	29.8	31.7	35.4	
		-51	(2)	88.6	1212	189	.63	348	20.5	24.6	26.7	28.7	30.8	32.9	37.0	
30000		ISA+20°C -37°C	-12	(1)	98.9	1640	221	.72	432	20.2	23.3	24.8	26.3	27.8	29.4	32.4
			-14		97.5	1549	213	.700	418	20.5	23.7	25.3	27.0	28.6	30.2	33.4
			-15		96.1	1443	203	.670	400	20.8	24.2	26.0	27.7	29.4	31.2	34.6
			-17		94.7	1349	193	.640	381	20.9	24.6	26.4	28.3	30.1	32.0	35.7
	-18		(2)	93.9	1298	188	.62	371	20.9	24.7	26.7	28.6	30.5	32.4	36.3	
	-20		(1)	100.1	1800	236	.77	448	19.3	22.1	23.5	24.9	26.3	27.7	30.4	
ISA+10°C -47°C	-23		97.3	1616	224	.730	427	20.2	23.3	24.9	26.4	27.9	29.5	32.6		
	-25		95.0	1466	210	.690	403	20.7	24.1	25.8	27.5	29.2	30.9	34.3		
	-28		93.2	1338	197	.650	379	20.9	24.6	26.5	28.3	30.2	32.1	35.8		
	-29	(2)	92.0	1257	187	.62	362	20.9	24.9	26.8	28.8	30.8	32.8	36.8		
	-31	(1)	98.1	1740	236	.77	438	19.4	22.3	23.7	25.1	26.6	28.0	30.9		
	-34		95.4	1567	224	.730	417	20.2	23.4	25.0	26.6	28.2	29.8	33.0		
ISA+0°C -57°C	-36		93.1	1422	210	.690	394	20.7	24.2	25.9	27.7	29.5	31.2	34.7		
	-38		91.3	1298	197	.650	371	20.9	24.7	26.6	28.6	30.5	32.4	36.3		
	-40	(2)	90.1	1219	187	.62	355	20.9	25.0	27.0	29.1	31.1	33.2	37.3		
	-41	(1)	100.3	1939	244	.79	441	17.6	20.2	21.5	22.8	24.0	25.3	27.9		
	-43		94.6	1602	231	.750	419	19.9	23.0	24.6	26.1	27.7	29.3	32.4		
	-46		92.1	1448	217	.710	396	20.4	23.9	25.6	27.3	29.1	30.8	34.2		
ISA-10°C -67°C	-48		90.1	1317	203	.670	373	20.8	24.6	26.5	28.4	30.3	32.2	35.9		
	-51	(2)	88.1	1186	188	.62	347	20.8	25.0	27.2	29.3	31.4	33.5	37.7		
	29000	ISA+20°C -37°C	-12	(1)	98.8	1640	224	.73	436	20.5	23.5	25.0	26.6	28.1	29.6	32.7
			-14		97.1	1524	213	.700	418	20.8	24.1	25.8	27.4	29.0	30.7	34.0
			-15		95.5	1416	203	.670	400	21.2	24.7	26.5	28.2	30.0	31.8	35.3
			-17		94.1	1321	193	.640	381	21.3	25.1	27.0	28.9	30.8	32.7	36.4
-19			(2)	93.2	1258	186	.62	368	21.3	25.3	27.3	29.3	31.3	33.2	37.2	
-20			(1)	100.1	1803	238	.77	450	19.4	22.2	23.6	25.0	26.4	27.8	30.5	
ISA+10°C -47°C	-23		96.9	1591	224	.730	427	20.5	23.7	25.2	26.8	28.4	30.0	33.1		
	-25		94.6	1442	210	.690	403	21.0	24.5	26.2	27.9	29.7	31.4	34.9		
	-28		92.7	1311	197	.650	379	21.3	25.1	27.0	28.9	30.8	32.7	36.5		
	-30	(2)	91.2	1216	185	.62	359	21.3	25.4	27.5	29.5	31.6	33.6	37.8		
	-31	(1)	98.0	1744	237	.77	440	19.5	22.4	23.8	25.2	26.7	28.1	31.0		
	-34		94.9	1543	224	.730	417	20.5	23.8	25.4	27.0	28.6	30.3	33.5		
ISA+0°C -57°C	-36		92.7	1398	210	.690	394	21.0	24.6	26.4	28.2	30.0	31.7	35.3		
	-38		90.8	1273	197	.650	371	21.3	25.2	27.2	29.1	31.1	33.1	37.0		
	-40	(2)	89.3	1177	185	.61	350	21.3	25.5	27.6	29.8	31.9	34.0	38.3		
	-41	(1)	100.2	1943	245	.79	443	17.6	20.2	21.5	22.8	24.1	25.4	27.9		
	-43		94.1	1578	231	.750	419	20.2	23.4	24.9	26.5	28.1	29.7	32.9		
	-46		91.6	1424	217	.710	396	20.8	24.3	26.1	27.8	29.6	31.3	34.8		
ISA-10°C -67°C	-48		89.6	1292	203	.670	373	21.2	25.0	27.0	28.9	30.8	32.8	36.6		
	-51	(2)	87.4	1155	187	.62	346	21.3	25.6	27.8	29.9	32.1	34.3	38.6		
	28000	ISA+20°C -37°C	-11	(1)	98.7	1641	226	.74	439	20.7	23.7	25.3	26.8	28.3	29.8	32.9
			-13		97.1	1533	217	.710	424	21.1	24.4	26.0	27.6	29.3	30.9	34.2
			-15		95.6	1425	207	.680	406	21.4	25.0	26.7	28.5	30.2	32.0	35.5
			-17		94.1	1326	197	.650	387	21.7	25.5	27.3	29.2	31.1	33.0	36.8
-19			(2)	92.5	1226	185	.62	367	21.8	25.8	27.9	29.9	32.0	34.0	38.1	
-20			(1)	100.0	1806	239	.77	453	19.5	22.3	23.7	25.1	26.5	27.8	30.6	
ISA+10°C -47°C	-23		96.4	1566	224	.730	427	20.9	24.0	25.6	27.2	28.8	30.4	33.6		
	-25		94.1	1418	210	.690	403	21.4	24.9	26.6	28.4	30.2	31.9	35.5		
	-28		92.2	1288	197	.650	379	21.7	25.6	27.5	29.5	31.4	33.3	37.2		
	-30	(2)	90.6	1188	185	.61	358	21.8	26.0	28.1	30.2	32.3	34.4	38.6		
	-31	(1)	98.0	1747	239	.77	443	19.6	22.5	23.9	25.3	26.8	28.2	31.1		
	-34		94.4	1519	224	.730	417	20.9	24.2	25.8	27.5	29.1	30.8	34.1		
ISA+0°C -57°C	-36		92.2	1375	210	.690	394	21.4	25.0	26.8	28.6	30.5	32.3	35.9		
	-38		90.3	1248	197	.650	371	21.7	25.7	27.7	29.7	31.7	33.7	37.7		
	-40	(2)	88.7	1147	184	.61	349	21.7	26.1	28.3	30.4	32.6	34.8	39.2		
	-41	(1)	100.2	1946	246	.79	444	17.7	20.3	21.5	22.8	24.1	25.4	28.0		
	-43		93.7	1554	231	.750	419	20.5	23.7	25.3	27.0	28.6	30.2	33.4		
	-46		91.1	1397	217	.710	396	21.2	24.8	26.6	28.3	30.1	31.9	35.5		
ISA-10°C -67°C	-48		89.1	1269	203	.670	373	21.5	25.5	27.5	29.4	31.4	33.4	37.3		
	-51	(2)	86.8	1123	186	.62	344	21.7	26.1	28.4	30.6	32.8	35.0	39.5		

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CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 39000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C -37°C	-11	(1)	98.7	1642	228	.74	443	20.9	23.9	25.5	27.0	28.5	30.0	33.1
		-13		96.6	1507	217	.710	424	21.5	24.8	26.5	28.1	29.8	31.4	34.8
		-15		95.1	1400	207	.680	406	21.8	25.4	27.2	29.0	30.7	32.5	36.1
		-17		93.6	1302	197	.650	387	22.1	25.9	27.8	29.8	31.7	33.6	37.4
		-19	(2)	91.9	1197	185	.61	366	22.2	26.4	28.5	30.5	32.6	34.7	38.9
	ISA+10°C -47°C	-19	(1)	100.0	1808	240	.78	455	19.6	22.4	23.8	25.2	26.5	27.9	30.7
		-22		96.6	1585	227	.740	433	21.0	24.1	25.7	27.3	28.9	30.5	33.6
		-24		94.2	1427	213	.700	409	21.6	25.1	26.9	28.6	30.4	32.1	35.7
		-27		92.2	1295	200	.660	385	22.0	25.9	27.8	29.7	31.7	33.6	37.5
		-30	(2)	90.1	1166	185	.62	359	22.2	26.5	28.6	30.8	32.9	35.1	39.4
	ISA+0°C -57°C	-30	(1)	98.0	1750	240	.78	445	19.7	22.5	24.0	25.4	26.8	28.3	31.1
		-33		94.6	1535	227	.740	423	21.0	24.3	25.9	27.5	29.2	30.8	34.1
		-35		92.3	1384	213	.700	400	21.6	25.3	27.1	28.9	30.7	32.5	36.1
		-38		90.3	1256	200	.660	377	22.0	26.0	28.0	30.0	32.0	34.0	38.0
		-40	(2)	88.2	1127	185	.61	350	22.2	26.6	28.8	31.1	33.3	35.5	39.9
	ISA-10°C -67°C	-40	(1)	100.2	1949	247	.80	446	17.7	20.3	21.6	22.9	24.1	25.4	28.0
		-43		93.2	1530	231	.750	419	20.8	24.1	25.7	27.4	29.0	30.6	33.9
		-46		90.1	1343	213	.700	390	21.6	25.3	27.2	29.1	30.9	32.8	36.5
		-49		87.7	1187	197	.650	362	22.1	26.3	28.4	30.5	32.6	34.7	38.9
		-51	(2)	86.1	1096	185	.61	342	22.1	26.7	29.0	31.3	33.5	35.8	40.4
25000	ISA+20°C -37°C	-10	(1)	98.5	1644	231	.75	449	21.3	24.3	25.8	27.3	28.9	30.4	33.4
		-12		96.4	1499	220	.720	430	22.0	25.3	27.0	28.7	30.3	32.0	35.3
		-14		94.7	1388	210	.690	412	22.5	26.1	27.9	29.7	31.5	33.3	36.9
		-16		93.1	1287	200	.660	394	22.8	26.7	28.6	30.6	32.5	34.5	38.3
		-19	(2)	90.7	1148	184	.61	365	23.1	27.5	29.6	31.8	34.0	36.2	40.5
	ISA+10°C -47°C	-19	(1)	99.9	1813	242	.78	459	19.8	22.5	23.9	25.3	26.7	28.1	30.8
		-22		95.7	1534	227	.740	433	21.7	24.9	26.6	28.2	29.8	31.5	34.7
		-24		93.3	1381	213	.700	409	22.4	26.0	27.8	29.6	31.4	33.2	36.8
		-27		91.3	1251	200	.660	385	22.8	26.8	28.8	30.8	32.8	34.8	38.8
		-30	(2)	88.8	1113	184	.61	357	23.1	27.6	29.8	32.1	34.3	36.6	41.1
	ISA+0°C -57°C	-30	(1)	97.9	1756	242	.78	448	19.8	22.7	24.1	25.5	27.0	28.4	31.2
		-33		93.7	1488	227	.740	423	21.7	25.1	26.7	28.4	30.1	31.8	35.1
		-35		91.4	1340	213	.700	400	22.4	26.1	28.0	29.8	31.7	33.5	37.3
		-38		89.4	1212	200	.660	377	22.8	26.9	29.0	31.1	33.1	35.2	39.3
		-40	(2)	87.0	1080	184	.61	349	23.1	27.7	30.1	32.4	34.7	37.0	41.6
	ISA-10°C -67°C	-40	(1)	99.7	1939	248	.80	448	17.9	20.5	21.8	23.1	24.4	25.7	28.2
		-43		92.3	1486	231	.750	419	21.4	24.8	26.5	28.2	29.9	31.5	34.9
		-46		89.3	1300	213	.700	390	22.3	26.2	28.1	30.0	31.9	33.9	37.7
		-49		86.9	1147	197	.650	362	22.9	27.2	29.4	31.6	33.8	35.9	40.3
		-51	(2)	84.8	1043	184	.61	340	23.1	27.8	30.2	32.6	35.0	37.4	42.2
23000	ISA+20°C -37°C	-9	(1)	98.4	1644	234	.76	454	21.6	24.6	26.1	27.6	29.2	30.7	33.7
		-12		95.6	1458	220	.720	430	22.6	26.1	27.8	29.5	31.2	32.9	36.3
		-15		93.3	1310	207	.680	406	23.3	27.2	29.1	31.0	32.9	34.8	38.6
		-17		91.0	1183	193	.640	381	23.8	28.0	30.1	32.3	34.4	36.5	40.7
		-19	(2)	89.1	1081	182	.60	360	24.0	28.7	31.0	33.3	35.6	37.9	42.5
	ISA+10°C -47°C	-18	(1)	99.8	1815	244	.79	462	19.9	22.7	24.1	25.4	26.8	28.2	31.0
		-22		94.9	1495	227	.740	433	22.3	25.6	27.3	28.9	30.6	32.3	35.6
		-25		91.9	1306	210	.690	403	23.2	27.0	28.9	30.8	32.7	34.7	38.5
		-28		89.2	1147	193	.640	373	23.8	28.2	30.4	32.6	34.7	36.9	41.3
		-30	(2)	87.5	1057	183	.61	354	24.0	28.8	31.1	33.5	35.9	38.2	43.0
	ISA+0°C -57°C	-30	(1)	97.9	1761	244	.79	452	20.0	22.8	24.2	25.6	27.1	28.5	31.3
		-33		93.0	1451	227	.740	423	22.3	25.7	27.4	29.2	30.9	32.6	36.0
		-36		90.1	1266	210	.690	394	23.2	27.2	29.1	31.1	33.1	35.0	39.0
		-39		87.4	1112	193	.640	365	23.8	28.3	30.6	32.8	35.1	37.3	41.8
		-41	(2)	85.7	1026	183	.61	347	24.0	28.9	31.4	33.8	36.2	38.7	43.5
	ISA-10°C -67°C	-40	(1)	98.3	1865	248	.80	448	18.6	21.3	22.7	24.0	25.3	26.7	29.4
		-43		91.6	1446	231	.750	419	22.0	25.5	27.2	29.0	30.7	32.4	35.9
		-46		88.5	1261	213	.700	390	23.0	27.0	29.0	31.0	32.9	34.9	38.9
		-49		85.8	1104	197	.650	362	23.7	28.3	30.5	32.8	35.1	37.3	41.8
		-51	(2)	83.7	995	183	.61	339	24.0	29.0	31.5	34.0	36.6	39.1	44.1
20000	ISA+20°C -37°C	-9	(1)	98.3	1646	238	.77	461	21.9	25.0	26.5	28.0	29.5	31.0	34.1
		-12		94.6	1402	220	.720	430	23.5	27.1	28.9	30.7	32.4	34.2	37.8
		-15		91.4	1219	203	.670	400	24.6	28.7	30.7	32.8	34.8	36.9	41.0
		-19		88.5	1065	187	.620	369	25.3	30.0	32.4	34.7	37.1	39.4	44.1
		-21	(2)	85.9	953	171	.57	340	25.2	30.5	33.1	35.7	38.4	41.0	46.2
	ISA+10°C -47°C	-18	(1)	99.7	1819	247	.80	466	20.1	22.9	24.2	25.6	27.0	28.3	31.1
		-22		94.0	1443	227	.740	433	23.1	26.5	28.2	30.0	31.7	33.4	36.9
		-26		90.2	1217	207	.680	397	24.4	28.5	30.6	32.6	34.7	36.7	40.8
		-29		86.7	1034	187	.620	362	25.3	30.1	32.6	35.0	37.4	39.8	44.6
		-32	(2)	84.0	922	170	.57	332	25.2	30.6	33.3	36.0	38.7	41.5	46.9
	ISA+0°C -57°C	-29	(1)	97.8	1766	247	.80	455	20.1	23.0	24.4	25.8	27.2	28.6	31.4
		-33		92.1	1399	227	.740	423	23.1	26.7	28.5	30.2	32.0	33.8	37.4
		-37		88.4	1182	207	.680	388	24.4	28.6	30.7	32.8	35.0	37.1	41.3
		-40		84.9	1003	187	.620	354	25.3	30.3	32.8	35.3	37.7	40.2	45.2
		-43	(2)	82.2	890	170	.57	323	25.1	30.7	33.5	36.3	39.1	42.0	47.6
	ISA-10°C -67°C	-40	(1)	96.7	1775	248	.80	448	19.6	22.4	23.8	25.2	26.6	28.0	30.8
		-44		90.0	1355	227	.740	413	23.1	26.8	28.6	30.5	32.3	34.2	37.9
		-48		86.3	1143	207	.680	379	24.4	28.8	31.0	33.2	35.3	37.5	41.9
		-51		82.9	973	187	.620	345	25.2	30.3	32.9	35.5	38.0	40.6	45.8
		-53	(2)	80.2	871	171	.57	318	25.0	30.8	33.6	36.5	39.4	42.3	48.0

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- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-47°C	-57°C	-67°C
90.4	89.2	91.3

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 41000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								H E A D W I N D			ZERO WIND	T A I L W I N D			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30775	ISA+20°C -37°C	-15	(1)	98.7	1449	197	.68	406	21.1	24.6	26.3	28.0	29.7	31.5	34.9
		-15		98.2	1419	194	.670	400	21.1	24.6	26.4	28.2	29.9	31.7	35.2
		-16		97.8	1391	191	.660	394	21.1	24.7	26.5	28.3	30.1	31.9	35.5
	-17	(2)	97.5	1365	187	.65	387	21.0	24.7	26.5	28.4	30.2	32.0	35.7	
	ISA+10°C -47°C	-21	(1)	100.2	1642	219	.75	436	20.5	23.5	25.0	26.5	28.1	29.6	32.6
		-23		98.6	1533	210	.720	421	20.9	24.2	25.8	27.4	29.1	30.7	34.0
		-24		97.5	1461	204	.700	409	21.1	24.6	26.3	28.0	29.7	31.4	34.8
	-26		96.6	1401	197	.680	397	21.2	24.8	26.5	28.3	30.1	31.9	35.5	
	-27	(2)	95.5	1328	188	.65	380	21.1	24.9	26.7	28.6	30.5	32.4	36.2	
	ISA+0°C -57°C	-33	(1)	98.1	1583	218	.74	425	20.5	23.7	25.3	26.9	28.4	30.0	33.2
		-34		96.7	1485	210	.720	411	21.0	24.3	26.0	27.7	29.4	31.1	34.4
		-35		95.6	1416	204	.700	400	21.2	24.7	26.5	28.2	30.0	31.7	35.3
-37		94.7	1358	197	.680	388	21.2	24.9	26.7	28.6	30.4	32.3	35.9		
-38	(2)	93.6	1289	188	.65	372	21.1	25.0	26.9	28.8	30.8	32.7	36.6		
ISA-10°C -67°C	-42	(1)	100.7	1789	229	.78	435	18.7	21.5	22.9	24.3	25.7	27.1	29.9	
	-43		96.4	1564	220	.750	419	20.4	23.6	25.2	26.8	28.4	30.0	33.2	
	-45		94.4	1437	210	.720	402	21.0	24.5	26.2	27.9	29.7	31.4	34.9	
-47		92.9	1342	200	.690	385	21.2	24.9	26.8	28.7	30.5	32.4	36.1		
-49	(2)	91.6	1255	189	.66	365	21.1	25.1	27.1	29.1	31.1	33.1	37.1		
30000	ISA+20°C -37°C	-14	(1)	98.6	1452	200	.69	411	21.4	24.9	26.6	28.3	30.0	31.7	35.2
		-15		98.2	1425	197	.680	406	21.4	24.9	26.7	28.5	30.2	32.0	35.5
		-15		97.8	1397	194	.670	400	21.4	25.0	26.8	28.6	30.4	32.2	35.8
	-16		97.4	1370	191	.660	394	21.4	25.1	26.9	28.7	30.5	32.4	36.0	
	-17	(2)	96.8	1329	186	.65	385	21.4	25.2	27.1	28.9	30.8	32.7	36.5	
	ISA+10°C -47°C	-21	(1)	100.2	1645	220	.75	439	20.6	23.6	25.2	26.7	28.2	29.7	32.8
		-23		98.2	1512	210	.720	421	21.2	24.5	26.2	27.8	29.5	31.1	34.4
		-25		96.6	1410	200	.690	403	21.5	25.0	26.8	28.6	30.3	32.1	35.7
	-27		95.4	1327	191	.660	385	21.5	25.2	27.1	29.0	30.9	32.8	36.5	
	-28	(2)	94.8	1288	186	.64	376	21.4	25.3	27.3	29.2	31.1	33.1	37.0	
	ISA+0°C -57°C	-32	(1)	98.1	1587	220	.75	428	20.7	23.8	25.4	27.0	28.6	30.1	33.3
		-34		96.2	1465	210	.720	411	21.2	24.7	26.4	28.1	29.8	31.5	34.9
-36			94.7	1366	200	.690	394	21.5	25.2	27.0	28.8	30.7	32.5	36.2	
-38		93.5	1287	191	.660	377	21.5	25.4	27.3	29.3	31.2	33.1	37.0		
-39	(2)	92.9	1253	186	.65	369	21.5	25.4	27.4	29.4	31.4	33.4	37.4		
ISA-10°C -67°C	-41	(1)	100.7	1793	230	.78	437	18.8	21.6	22.9	24.3	25.7	27.1	29.9	
	-43		95.9	1541	220	.750	419	20.7	23.9	25.6	27.2	28.8	30.4	33.7	
	-45		94.0	1418	210	.720	402	21.3	24.8	26.6	28.3	30.1	31.9	35.4	
-47		92.5	1323	200	.690	385	21.5	25.3	27.2	29.1	31.0	32.9	36.6		
-49	(2)	90.7	1211	186	.65	360	21.4	25.6	27.6	29.7	31.8	33.8	38.0		
29000	ISA+20°C -37°C	-14	(1)	98.5	1455	203	.70	417	21.8	25.2	26.9	28.6	30.3	32.1	35.5
		-15		97.6	1397	197	.680	406	21.9	25.5	27.2	29.0	30.8	32.6	36.2
		-15		97.2	1369	194	.670	400	21.9	25.5	27.4	29.2	31.0	32.8	36.5
	-16		96.8	1340	191	.660	394	21.9	25.6	27.5	29.4	31.2	33.1	36.8	
	-17	(2)	95.8	1281	184	.64	381	21.9	25.8	27.8	29.7	31.7	33.6	37.5	
	ISA+10°C -47°C	-21	(1)	100.1	1648	222	.76	442	20.8	23.8	25.3	26.8	28.4	29.9	32.9
		-23		98.2	1525	213	.730	427	21.4	24.7	26.3	28.0	29.6	31.3	34.5
		-24		96.6	1417	204	.700	409	21.8	25.3	27.1	28.8	30.6	32.4	35.9
	-26		95.2	1327	194	.670	391	21.9	25.7	27.6	29.5	31.4	33.2	37.0	
	-28	(2)	94.0	1248	185	.64	374	21.9	26.0	28.0	30.0	32.0	34.0	38.0	
	ISA+0°C -57°C	-32	(1)	98.1	1592	222	.76	432	20.9	24.0	25.6	27.1	28.7	30.3	33.4
		-34		96.3	1478	213	.730	417	21.5	24.8	26.5	28.2	29.9	31.6	35.0
-35			94.6	1372	204	.700	400	21.8	25.5	27.3	29.1	30.9	32.8	36.4	
-37		93.3	1286	194	.670	382	21.9	25.8	27.8	29.7	31.7	33.6	37.5		
-39	(2)	92.0	1208	185	.64	365	22.0	26.1	28.2	30.2	32.3	34.4	38.5		
ISA-10°C -67°C	-41	(1)	100.6	1797	232	.78	439	18.9	21.6	23.0	24.4	25.8	27.2	30.0	
	-43		95.4	1512	220	.750	419	21.1	24.4	26.0	27.7	29.3	31.0	34.3	
	-46		93.0	1361	207	.710	396	21.7	25.4	27.3	29.1	30.9	32.8	36.4	
-48		91.1	1245	194	.670	373	22.0	26.0	28.0	30.0	32.0	34.0	38.0		
-50	(2)	89.9	1170	185	.64	357	21.9	26.2	28.3	30.5	32.6	34.8	39.0		
28000	ISA+20°C -37°C	-13	(1)	98.4	1457	205	.71	421	22.0	25.5	27.2	28.9	30.6	32.3	35.8
		-14		97.5	1401	200	.690	412	22.2	25.8	27.6	29.4	31.2	33.0	36.5
		-15		96.6	1339	194	.670	400	22.4	26.1	28.0	29.8	31.7	33.6	37.3
	-17		95.7	1283	188	.650	387	22.4	26.3	28.3	30.2	32.2	34.1	38.0	
	-18	(2)	94.9	1233	182	.63	376	22.4	26.5	28.5	30.5	32.6	34.6	38.6	
	ISA+10°C -47°C	-20	(1)	100.0	1652	224	.76	446	20.9	24.0	25.5	27.0	28.5	30.0	33.0
		-23		97.7	1500	213	.730	427	21.8	25.1	26.8	28.4	30.1	31.8	35.1
		-24		96.1	1392	204	.700	409	22.2	25.8	27.6	29.4	31.2	32.9	36.5
	-26		94.6	1299	194	.670	391	22.4	26.2	28.2	30.1	32.0	33.9	37.8	
	-29	(2)	93.0	1198	182	.63	369	22.4	26.6	28.7	30.8	32.9	35.0	39.1	
	ISA+0°C -57°C	-32	(1)	98.0	1595	224	.76	435	21.0	24.2	25.7	27.3	28.9	30.4	33.6
		-34		95.8	1454	213	.730	417	21.8	25.3	27.0	28.7	30.4	32.1	35.6
-35			94.1	1349	204	.700	400	22.2	25.9	27.8	29.6	31.5	33.3	37.0	
-37		92.7	1260	194	.670	382	22.4	26.4	28.4	30.3	32.3	34.3	38.3		
-39	(2)	91.0	1158	181	.63	360	22.4	26.7	28.9	31.1	33.2	35.4	39.7		
ISA-10°C -67°C	-41	(1)	100.6	1801	233	.79	441	18.9	21.7	23.1	24.5	25.9	27.3	30.0	
	-43		94.8	1486	220	.750	419	21.5	24.8	26.5	28.2	29.9	31.5	34.9	
	-46		92.5	1339	207	.710	396	22.1	25.8	27.7	29.6	31.4	33.3	37.0	
-48		90.5	1220	194	.670	373	22.4	26.5	28.6	30.6	32.7	34.7	38.8		
-50	(2)	88.9	1125	182	.63	352	22.4	26.9	29.1	31.3	33.5	35.8	40.2		

68PPA-01-01

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 41000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
27000	ISA+20°C -37°C	-13	(1)	98.3	1460	208	.71	426	22.3	25.7	27.5	29.2	30.9	32.6	36.0
		-14		97.0	1374	200	.690	412	22.7	26.3	28.1	30.0	31.8	33.6	37.2
		-15		96.0	1312	194	.670	400	22.8	26.6	28.5	30.5	32.4	34.3	38.1
		-17		95.1	1253	188	.650	387	22.9	26.9	28.9	30.9	32.9	34.9	38.9
		-18	(2)	93.8	1182	179	.62	371	22.9	27.2	29.3	31.4	33.5	35.6	39.8
	ISA+10°C -47°C	-20	(1)	100.0	1655	226	.77	449	21.1	24.1	25.6	27.1	28.6	30.1	33.2
		-23		97.2	1474	213	.730	427	22.2	25.5	27.2	28.9	30.6	32.3	35.7
		-25		95.0	1332	200	.690	403	22.7	26.5	28.4	30.2	32.1	34.0	37.7
		-28		93.2	1217	188	.650	379	23.0	27.1	29.1	31.2	33.2	35.3	39.4
		-29	(2)	92.0	1153	180	.63	365	22.9	27.3	29.4	31.6	33.8	35.9	40.3
	ISA+0°C -57°C	-31	(1)	98.0	1599	225	.77	438	21.2	24.3	25.9	27.4	29.0	30.5	33.7
		-34		95.2	1428	213	.730	417	22.2	25.7	27.5	29.2	31.0	32.7	36.2
		-36		93.1	1291	200	.690	394	22.8	26.6	28.6	30.5	32.4	34.4	38.2
		-38		91.3	1179	188	.650	371	23.0	27.2	29.3	31.5	33.6	35.7	39.9
		-40	(2)	90.2	1119	180	.63	357	22.9	27.4	29.6	31.9	34.1	36.3	40.8
	ISA-10°C -67°C	-41	(1)	100.5	1804	234	.79	442	19.0	21.8	23.1	24.5	25.9	27.3	30.1
		-43		94.3	1463	220	.750	419	21.8	25.2	26.9	28.6	30.3	32.0	35.5
		-46		92.0	1318	207	.710	396	22.5	26.3	28.2	30.1	32.0	33.8	37.6
		-48		90.0	1195	194	.670	373	22.9	27.1	29.1	31.2	33.3	35.4	39.6
		-51	(2)	88.0	1083	180	.63	348	22.9	27.5	29.8	32.2	34.5	36.8	41.4
25000	ISA+20°C -37°C	-12	(1)	98.1	1465	213	.73	435	22.9	26.3	28.0	29.7	31.4	33.1	36.6
		-14		96.4	1355	204	.700	418	23.4	27.1	29.0	30.8	32.7	34.5	38.2
		-15		94.9	1260	194	.670	400	23.8	27.7	29.7	31.7	33.7	35.7	39.7
		-17		93.5	1175	184	.640	381	24.0	28.2	30.3	32.5	34.6	36.7	41.0
		-19	(2)	92.4	1120	178	.62	369	24.0	28.5	30.7	32.9	35.2	37.4	41.9
	ISA+10°C -47°C	-19	(1)	99.9	1660	229	.78	454	21.3	24.3	25.8	27.3	28.8	30.4	33.4
		-22		96.8	1464	217	.740	433	22.7	26.1	27.8	29.5	31.2	33.0	36.4
		-24		94.5	1316	204	.700	409	23.5	27.3	29.2	31.1	33.0	34.9	38.7
		-27		92.5	1193	191	.660	385	23.9	28.1	30.2	32.3	34.4	36.5	40.7
		-30	(2)	90.3	1077	176	.61	358	24.0	28.6	30.9	33.2	35.6	37.9	42.5
	ISA+0°C -57°C	-31	(1)	97.9	1605	228	.78	444	21.4	24.5	26.1	27.6	29.2	30.8	33.9
		-33		94.8	1419	217	.740	423	22.8	26.3	28.0	29.8	31.6	33.3	36.9
		-35		92.6	1275	204	.700	400	23.5	27.4	29.4	31.3	33.3	35.3	39.2
		-38		90.6	1157	191	.660	377	23.9	28.2	30.4	32.5	34.7	36.9	41.2
		-40	(2)	88.6	1051	177	.62	352	24.0	28.7	31.1	33.5	35.9	38.2	43.0
	ISA-10°C -67°C	-40	(1)	100.5	1809	236	.80	446	19.1	21.9	23.2	24.6	26.0	27.4	30.2
		-43		93.3	1415	220	.750	419	22.5	26.1	27.8	29.6	31.4	33.1	36.7
		-46		90.4	1236	204	.700	390	23.5	27.5	29.6	31.6	33.6	35.6	39.7
		-49		88.0	1095	188	.650	362	23.9	28.5	30.8	33.1	35.3	37.6	42.2
		-51	(2)	86.4	1014	177	.62	343	23.9	28.9	31.3	33.8	36.3	38.7	43.6
23000	ISA+20°C -37°C	-11	(1)	97.9	1468	217	.74	443	23.4	26.8	28.5	30.2	31.9	33.6	37.0
		-13		96.0	1341	207	.710	424	24.1	27.9	29.7	31.6	33.5	35.3	39.0
		-15		94.4	1243	197	.680	406	24.6	28.6	30.6	32.6	34.6	36.7	40.7
		-17		92.9	1156	188	.650	387	24.9	29.2	31.4	33.5	35.7	37.9	42.2
		-19	(2)	91.0	1068	177	.62	368	25.1	29.7	32.1	34.4	36.8	39.1	43.8
	ISA+10°C -47°C	-19	(1)	99.8	1665	231	.78	458	21.5	24.5	26.0	27.5	29.0	30.5	33.5
		-22		95.8	1413	217	.740	433	23.5	27.1	28.8	30.6	32.4	34.1	37.7
		-24		93.5	1269	204	.700	409	24.3	28.3	30.3	32.2	34.2	36.2	40.1
		-27		91.5	1149	191	.660	385	24.8	29.2	31.3	33.5	35.7	37.9	42.2
		-29	(2)	89.2	1035	177	.62	359	25.1	29.9	32.3	34.7	37.1	39.5	44.4
	ISA+0°C -57°C	-30	(1)	97.8	1611	231	.78	448	21.6	24.7	26.2	27.8	29.4	30.9	34.0
		-33		93.9	1371	217	.740	423	23.5	27.2	29.0	30.8	32.7	34.5	38.1
		-35		91.6	1230	204	.700	400	24.4	28.4	30.5	32.5	34.5	36.5	40.6
		-38		89.6	1114	191	.660	377	24.8	29.3	31.5	33.8	36.0	38.3	42.8
		-40	(2)	87.4	1004	177	.62	352	25.0	30.0	32.5	35.0	37.5	40.0	45.0
	ISA-10°C -67°C	-40	(1)	99.8	1791	237	.80	448	19.4	22.2	23.6	25.0	26.4	27.8	30.6
		-43		92.4	1371	220	.750	419	23.2	26.9	28.7	30.5	32.4	34.2	37.8
		-46		89.5	1192	204	.700	390	24.3	28.5	30.6	32.7	34.8	36.9	41.1
		-49		87.0	1055	188	.650	362	24.8	29.6	31.9	34.3	36.7	39.0	43.8
		-51	(2)	85.3	973	177	.62	344	25.0	30.2	32.8	35.3	37.9	40.5	45.6
20000	ISA+20°C -37°C	-10	(1)	97.7	1473	222	.76	453	23.9	27.3	29.0	30.7	32.4	34.1	37.5
		-12		95.3	1317	210	.720	430	25.1	28.8	30.7	32.6	34.5	36.4	40.2
		-15		93.0	1179	197	.680	406	25.9	30.2	32.3	34.4	36.5	38.6	42.9
		-17		90.6	1063	184	.640	381	26.5	31.2	33.5	35.9	38.2	40.6	45.3
		-20	(2)	88.5	972	173	.60	359	26.7	31.8	34.4	36.9	39.5	42.1	47.2
	ISA+10°C -47°C	-18	(1)	99.7	1670	234	.79	463	21.8	24.7	26.2	27.7	29.2	30.7	33.7
		-22		94.6	1354	217	.740	433	24.6	28.2	30.1	31.9	33.8	35.6	39.3
		-25		91.6	1177	200	.690	403	25.7	30.0	32.1	34.2	36.4	38.5	42.7
		-28		88.8	1032	184	.640	373	26.5	31.3	33.8	36.2	38.6	41.0	45.9
		-30	(2)	86.9	950	174	.61	354	26.7	32.0	34.6	37.2	39.9	42.5	47.7
	ISA+0°C -57°C	-29	(1)	97.8	1620	234	.79	453	21.8	24.9	26.4	28.0	29.5	31.1	34.1
		-33		92.7	1314	217	.740	423	24.6	28.4	30.3	32.2	34.1	36.0	39.8
		-36		89.8	1142	200	.690	394	25.7	30.1	32.3	34.5	36.7	38.9	43.3
		-39		87.0	1000	184	.640	365	26.5	31.5	34.0	36.5	39.0	41.5	46.5
		-41	(2)	84.9	914	173	.60	343	26.6	32.1	34.8	37.6	40.3	43.0	48.5
	ISA-10°C -67°C	-40	(1)	97.6	1682	237	.80	448	20.7	23.6	25.1	26.6	28.1	29.6	32.5
		-43		91.2	1312	220	.750	419	24.3	28.1	30.0	31.9	33.8	35.7	39.5
		-46		88.2	1136	204	.700	390	25.6	30.0	32.2	34.4	36.6	38.8	43.2
		-49		85.4	994	188	.650	362	26.4	31.4	33.9	36.4	39.0	41.5	46.5
		-51	(2)	82.8	892	174	.61	338	26.6	32.2	35.0	37.8	40.6	43.5	49.1

- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

ANTI-ICE SYSTEMS ON		
MAX FAN % RPM		
-47°C	-57°C	-67°C
89.5	88.4	90.8

INCREASE FUEL FLOWS AND DECREASE SPECIFIC RANGES BY 12%

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 43000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								H E A D W I N D			Z E R O W I N D	T A I L W I N D				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
30775	ISA+20°C	-18	(1)	98.7	1292	171	.62	371	21.0	24.9	26.8	28.7	30.7	32.6	36.5	
	ISA+10°C -47°C	-23	(1)	100.4	1490	201	.72	421	21.6	24.9	26.6	28.3	29.9	31.6	35.0	
		-24		99.8	1454	197	.710	415	21.6	25.1	26.8	28.5	30.2	32.0	35.4	
		-24	(2)	99.3	1421	194	.70	409	21.7	25.2	27.0	28.8	30.5	32.3	35.8	
	ISA+0°C -57°C	-34	(1)	98.2	1432	200	.72	410	21.6	25.1	26.9	28.6	30.4	32.1	35.6	
		-35		97.8	1408	197	.710	405	21.7	25.2	27.0	28.8	30.6	32.3	35.9	
		-36	(2)	97.3	1376	194	.70	399	21.7	25.4	27.2	29.0	30.8	32.7	36.3	
	ISA-10°C -67°C	-43	(1)	101.0	1632	214	.76	426	20.0	23.0	24.6	26.1	27.6	29.2	32.2	
		-43		98.8	1541	210	.750	419	20.7	23.9	25.6	27.2	28.8	30.4	33.7	
		-45		96.8	1433	204	.730	407	21.4	24.9	26.7	28.4	30.2	31.9	35.4	
		-46		95.6	1363	197	.710	396	21.7	25.4	27.2	29.0	30.9	32.7	36.4	
		-46	(2)	95.0	1331	194	.70	390	21.8	25.5	27.4	29.3	31.2	33.0	36.8	
30000	ISA+20°C	-18	(1)	98.5	1295	175	.64	380	21.6	25.5	27.4	29.3	31.3	33.2	37.1	
	ISA+10°C -47°C	-23	(1)	100.3	1491	203	.73	426	21.9	25.2	26.9	28.6	30.2	31.9	35.3	
		-23		99.8	1461	200	.720	421	21.9	25.4	27.1	28.8	30.5	32.2	35.6	
		-24		99.3	1430	197	.710	415	22.0	25.5	27.3	29.0	30.8	32.5	36.0	
	ISA+0°C -57°C	-24		98.8	1399	194	.700	409	22.1	25.7	27.4	29.2	31.0	32.8	36.4	
		-25	(2)	98.3	1373	191	.69	403	22.1	25.7	27.6	29.4	31.2	33.0	36.7	
		-34	(1)	98.2	1435	202	.73	415	21.9	25.4	27.1	28.9	30.6	32.4	35.9	
	ISA-10°C -67°C	-34		97.8	1415	200	.720	411	22.0	25.5	27.3	29.1	30.8	32.6	36.1	
		-35		97.3	1386	197	.710	405	22.0	25.7	27.5	29.3	31.1	32.9	36.5	
		-35		96.8	1355	194	.700	400	22.1	25.8	27.7	29.5	31.3	33.2	36.9	
		-36	(2)	96.5	1336	192	.69	396	22.2	25.9	27.8	29.6	31.5	33.4	37.1	
		-42	(1)	101.0	1636	216	.77	429	20.1	23.2	24.7	26.2	27.7	29.3	32.3	
		-43		98.0	1502	210	.750	419	21.2	24.5	26.2	27.9	29.5	31.2	34.5	
	29000	ISA+20°C	-16	(1)	98.3	1298	180	.65	390	22.3	26.2	28.1	30.0	32.0	33.9	37.7
		ISA+10°C -47°C	-22	(1)	100.2	1494	206	.74	431	22.2	25.5	27.2	28.9	30.5	32.2	35.5
			-23		99.2	1432	200	.720	421	22.4	25.9	27.6	29.4	31.1	32.9	36.4
			-24		98.1	1370	194	.700	409	22.5	26.2	28.0	29.8	31.7	33.5	37.1
		ISA+0°C -57°C	-26		97.3	1316	188	.680	397	22.6	26.4	28.3	30.2	32.1	34.0	37.8
-26			(2)	97.0	1302	186	.67	393	22.5	26.4	28.3	30.2	32.1	34.0	37.9	
-33			(1)	98.1	1439	205	.74	420	22.2	25.7	27.5	29.2	30.9	32.7	36.1	
ISA-10°C -67°C		-34		97.2	1387	200	.720	411	22.4	26.1	27.9	29.7	31.5	33.3	36.9	
		-35		96.2	1326	194	.700	400	22.6	26.4	28.2	30.1	32.0	33.9	37.7	
		-37		95.3	1276	188	.680	388	22.6	26.5	28.5	30.4	32.4	34.3	38.3	
		-37	(2)	95.0	1257	185	.67	383	22.5	26.5	28.5	30.5	32.5	34.5	38.4	
		-42	(1)	100.9	1642	218	.77	432	20.2	23.3	24.8	26.3	27.9	29.4	32.4	
	-43		97.1	1461	210	.750	419	21.8	25.2	26.9	28.7	30.4	32.1	35.5		
28000	ISA+20°C	-16	(1)	98.2	1300	184	.67	398	22.9	26.8	28.7	30.6	32.6	34.5	38.3	
	ISA+10°C -47°C	-16		97.9	1281	182	.660	394	22.9	26.8	28.8	30.7	32.7	34.6	38.5	
		-17	(2)	97.4	1252	178	.65	386	22.8	26.8	28.8	30.8	32.8	34.8	38.8	
		-22	(1)	100.1	1497	208	.75	436	22.4	25.8	27.4	29.1	30.8	32.4	35.8	
	ISA+0°C -57°C	-23		98.6	1404	200	.720	421	22.8	26.4	28.2	30.0	31.8	33.5	37.1	
		-24		97.5	1342	194	.700	409	23.0	26.7	28.6	30.5	32.3	34.2	37.9	
		-26		96.6	1289	188	.680	397	23.0	26.9	28.9	30.8	32.7	34.7	38.6	
	ISA-10°C -67°C	-28	(2)	95.4	1211	178	.65	377	22.9	27.0	29.1	31.1	33.2	35.3	39.4	
		-33	(1)	98.0	1442	208	.74	425	22.5	26.0	27.7	29.5	31.2	32.9	36.4	
		-34		96.6	1360	200	.720	411	22.9	26.6	28.4	30.3	32.1	33.9	37.6	
		-35		95.6	1300	194	.700	400	23.1	26.9	28.8	30.7	32.7	34.6	38.4	
		-37		94.7	1249	188	.680	388	23.1	27.1	29.1	31.1	33.1	35.1	39.1	
-39		(2)	93.4	1175	178	.65	369	22.9	27.1	29.3	31.4	33.5	35.6	39.9		
27000	ISA+20°C	-15	(1)	98.1	1301	188	.68	406	23.5	27.3	29.2	31.2	33.1	35.0	38.8	
	ISA+10°C -47°C	-15		97.6	1276	185	.670	400	23.5	27.4	29.3	31.3	33.3	35.2	39.1	
		-16		97.2	1253	182	.660	394	23.4	27.4	29.4	31.4	33.4	35.4	39.4	
		-17		96.8	1228	179	.650	387	23.4	27.5	29.5	31.6	33.6	35.6	39.7	
	ISA+0°C -57°C	-17	(2)	96.4	1209	177	.64	383	23.4	27.6	29.6	31.7	33.8	35.8	40.0	
		-21	(1)	100.0	1498	211	.75	440	22.7	26.0	27.7	29.4	31.0	32.7	36.0	
		-23		98.0	1377	200	.720	421	23.3	26.9	28.7	30.5	32.4	34.2	37.8	
	ISA-10°C -67°C	-25		96.5	1288	191	.690	403	23.5	27.4	29.3	31.3	33.2	35.2	39.0	
		-27		95.2	1213	182	.660	385	23.5	27.6	29.7	31.7	33.8	35.9	40.0	
		-28	(2)	94.5	1173	177	.64	375	23.5	27.7	29.9	32.0	34.1	36.3	40.5	
		-32	(1)	98.0	1445	210	.75	429	22.8	26.2	28.0	29.7	31.4	33.2	36.6	
		-34		96.0	1333	200	.720	411	23.3	27.1	29.0	30.8	32.7	34.6	38.3	
-36			94.5	1247	191	.690	394	23.6	27.6	29.6	31.6	33.6	35.6	39.6		
ISA-10°C -67°C	-38		93.3	1177	182	.660	377	23.5	27.7	29.9	32.0	34.1	36.2	40.5		
	-39	(2)	92.5	1133	176	.64	366	23.5	27.9	30.1	32.3	34.5	36.7	41.1		
	-41	(1)	100.8	1652	221	.78	438	20.5	23.5	25.0	26.5	28.0	29.6	32.6		
	-43		95.7	1395	210	.750	419	22.8	26.4	28.2	30.0	31.8	33.6	37.2		
	-46		93.3	1262	197	.710	396	23.5	27.4	29.4	31.4	33.4	35.4	39.3		
	-50	(2)	90.2	1096	176	.64	357	23.4	28.0	30.3	32.6	34.8	37.1	41.7		

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CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 43000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								H E A D W I N D			Z E R O W I N D	T A I L W I N D			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
26000	ISA+20°C -37°C	-14	(1)	97.9	1303	191	.69	412	23.9	27.8	29.7	31.6	33.5	35.4	39.3
		-15		97.4	1273	188	.680	406	24.0	27.9	29.9	31.9	33.8	35.8	39.7
		-16		97.0	1248	185	.670	400	24.0	28.0	30.0	32.0	34.0	36.0	40.0
		-18	(2)	95.2	1153	173	.63	377	24.0	28.3	30.5	32.7	34.9	37.0	41.4
		-18		96.5	1222	182	.660	394	24.0	28.1	30.1	32.2	34.2	36.3	40.4
	ISA+10°C -47°C	-21	(1)	100.0	1502	213	.76	444	22.9	26.2	27.9	29.5	31.2	32.9	36.2
		-23		98.0	1386	204	.730	427	23.6	27.2	29.0	30.8	32.6	34.4	38.0
		-24		96.4	1290	194	.700	409	23.9	27.8	29.8	31.7	33.6	35.6	39.4
		-26		95.0	1210	185	.670	391	24.1	28.2	30.3	32.3	34.4	36.5	40.6
		-29	(2)	93.3	1122	174	.63	370	24.0	28.5	30.7	32.9	35.2	37.4	41.9
	ISA+0°C -57°C	-32	(1)	97.9	1450	212	.76	433	23.0	26.4	28.2	29.9	31.6	33.3	36.8
		-34		96.1	1342	204	.730	417	23.6	27.4	29.2	31.1	32.9	34.8	38.5
		-35		94.5	1250	194	.700	400	24.0	28.0	30.0	32.0	34.0	36.0	40.0
		-37		93.1	1172	185	.670	382	24.1	28.3	30.5	32.6	34.7	36.9	41.1
		-40	(2)	91.3	1079	173	.63	359	24.0	28.6	31.0	33.3	35.6	37.9	42.5
	ISA-10°C -67°C	-41	(1)	100.8	1655	222	.79	440	20.6	23.6	25.1	26.6	28.1	29.6	32.7
		-43		95.1	1368	210	.750	419	23.3	26.9	28.8	30.6	32.4	34.3	37.9
		-46		92.7	1239	197	.710	396	23.9	27.9	30.0	32.0	34.0	36.0	40.0
		-48		90.8	1135	185	.670	373	24.1	28.5	30.7	32.9	35.1	37.3	41.7
		-50	(2)	89.2	1048	173	.63	352	24.0	28.8	31.2	33.5	35.9	38.3	43.1
24000	ISA+20°C -37°C	-13	(1)	97.7	1305	197	.71	423	24.7	28.6	30.5	32.4	34.3	36.2	40.1
		-14		96.7	1248	191	.690	412	25.0	29.0	31.0	33.0	35.0	37.0	41.0
		-15		95.6	1191	185	.670	400	25.1	29.3	31.4	33.5	35.6	37.7	41.9
		-17		94.6	1140	179	.650	387	25.2	29.6	31.8	34.0	36.2	38.4	42.8
		-18	(2)	93.3	1071	170	.62	370	25.3	29.9	32.3	34.6	36.9	39.3	44.0
	ISA+10°C -47°C	-20	(1)	99.8	1507	216	.77	450	23.2	26.6	28.2	29.9	31.5	33.2	36.5
		-23		96.9	1335	204	.730	427	24.5	28.2	30.1	31.9	33.8	35.7	39.4
		-25		94.7	1210	191	.690	403	25.0	29.2	31.2	33.3	35.4	37.4	41.6
		-28		92.7	1105	179	.650	379	25.3	29.8	32.0	34.3	36.6	38.8	43.4
		-29	(2)	91.4	1040	171	.62	363	25.3	30.1	32.5	34.9	37.3	39.7	44.5
	ISA+0°C -57°C	-31	(1)	97.8	1458	216	.77	440	23.3	26.7	28.5	30.2	31.9	33.6	37.0
		-34		95.0	1294	204	.730	417	24.5	28.4	30.3	32.2	34.2	36.1	40.0
		-36		92.8	1173	191	.690	394	25.0	29.3	31.4	33.6	35.7	37.8	42.1
		-38		90.8	1072	179	.650	371	25.3	29.9	32.3	34.6	36.9	39.3	43.9
		-40	(2)	89.4	1002	170	.62	353	25.3	30.3	32.7	35.2	37.7	40.2	45.2
	ISA-10°C -67°C	-41	(1)	100.7	1661	224	.79	444	20.7	23.7	25.2	26.7	28.2	29.7	32.8
		-43		94.0	1321	210	.750	419	24.1	27.9	29.8	31.7	33.6	35.5	39.3
		-46		91.7	1192	197	.710	396	24.8	29.0	31.1	33.2	35.3	37.4	41.6
		-48		89.6	1085	185	.670	373	25.2	29.8	32.1	34.4	36.7	39.0	43.6
		-51	(2)	87.5	983	171	.63	348	25.3	30.3	32.9	35.4	38.0	40.5	45.6
22000	ISA+20°C -37°C	-12	(1)	97.5	1308	202	.73	433	25.5	29.3	31.2	33.1	35.0	36.9	40.8
		-14		96.0	1226	194	.700	418	25.9	30.0	32.0	34.1	36.1	38.1	42.2
		-15		94.4	1143	185	.670	400	26.2	30.6	32.8	35.0	37.2	39.3	43.7
		-17		92.8	1063	176	.640	381	26.5	31.2	33.5	35.9	38.2	40.6	45.3
		-19	(2)	91.7	1011	169	.62	368	26.5	31.4	33.9	36.4	38.9	41.3	46.3
	ISA+10°C -47°C	-19	(1)	99.8	1512	219	.78	456	23.5	26.8	28.5	30.1	31.8	33.4	36.7
		-22		96.4	1321	207	.740	433	25.2	29.0	30.9	32.7	34.6	36.5	40.3
		-24		94.1	1189	194	.700	409	26.0	30.2	32.3	34.4	36.5	38.6	42.8
		-27		92.0	1082	182	.660	385	26.4	31.0	33.3	35.6	37.9	40.2	44.9
		-29	(2)	89.8	978	169	.62	360	26.5	31.6	34.2	36.8	39.3	41.9	47.0
	ISA+0°C -57°C	-30	(1)	97.7	1463	219	.78	445	23.6	27.0	28.7	30.4	32.2	33.9	37.3
		-33		94.5	1281	207	.740	423	25.2	29.1	31.1	33.0	35.0	36.9	40.8
		-35		92.2	1153	194	.700	400	26.0	30.3	32.5	34.7	36.8	39.0	43.4
		-38		90.1	1049	182	.660	377	26.4	31.1	33.5	35.9	38.3	40.7	45.4
		-40	(2)	87.9	947	169	.62	351	26.5	31.8	34.4	37.1	39.7	42.4	47.6
	ISA-10°C -67°C	-40	(1)	100.7	1668	226	.80	447	20.8	23.8	25.3	26.8	28.3	29.8	32.8
		-43		93.0	1275	210	.750	419	25.0	28.9	30.9	32.8	34.8	36.8	40.7
		-46		90.0	1116	194	.700	390	26.0	30.5	32.7	35.0	37.2	39.4	43.9
		-49		87.5	991	179	.650	362	26.4	31.5	34.0	36.5	39.0	41.6	46.6
		-51	(2)	85.8	920	169	.62	344	26.5	31.9	34.6	37.3	40.0	42.8	48.2
20000	ISA+20°C -37°C	-11	(1)	97.3	1309	206	.74	441	26.1	29.9	31.8	33.7	35.6	37.5	41.3
		-13		95.6	1211	197	.710	424	26.7	30.9	32.9	35.0	37.1	39.1	43.2
		-15		93.8	1122	188	.680	406	27.2	31.7	33.9	36.1	38.4	40.6	45.1
		-17		92.2	1043	179	.650	387	27.6	32.3	34.7	37.1	39.5	41.9	46.7
		-19	(2)	90.2	957	168	.61	366	27.8	33.0	35.6	38.2	40.8	43.5	48.7
	ISA+10°C -47°C	-19	(1)	99.7	1515	221	.79	460	23.7	27.0	28.7	30.3	32.0	33.6	36.9
		-22		95.4	1274	207	.740	433	26.1	30.0	32.0	34.0	35.9	37.9	41.8
		-24		93.0	1145	194	.700	409	27.0	31.3	33.5	35.7	37.9	40.1	44.4
		-27		90.8	1038	182	.660	385	27.5	32.3	34.7	37.1	39.5	41.9	46.7
		-30	(2)	88.3	928	168	.61	358	27.8	33.2	35.9	38.6	41.3	44.0	49.4
	ISA+0°C -57°C	-30	(1)	97.7	1467	221	.79	450	23.8	27.2	28.9	30.6	32.3	34.1	37.5
		-33		93.5	1235	207	.740	423	26.1	30.2	32.2	34.2	36.3	38.3	42.3
		-35		91.2	1110	194	.700	400	27.0	31.5	33.7	36.0	38.2	40.5	45.0
		-38		89.0	1006	182	.660	377	27.5	32.5	34.9	37.4	39.9	42.4	47.4
		-40	(2)	86.5	901	168	.61	351	27.8	33.3	36.1	38.9	41.7	44.4	50.0
	ISA-10°C -67°C	-40	(1)	98.7	1591	226	.80	448	21.8	25.0	26.6	28.1	29.7	31.3	34.4
		-43		92.0	1233	210	.750	419	25.9	29.9	31.9	34.0	36.0	38.0	42.1
		-46		89.0	1075	194	.700	390	27.0	31.6	34.0	36.3	38.6	40.9	45.6
		-49		86.3	950	179	.650	362	27.6	32.8	35.5	38.1	40.7	43.4	48.6
		-51	(2)	84.3	870	168	.61	341	27.7	33.5	36.4	39.2	42.1	45.0	50.7

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(1) MAXIMUM CRUISE THRUST

(2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 4500 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO WIND	TAILWIND			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
30000	ISA+10°C	-26	(1)	99.8	1315	178	.68	395	22.4	26.2	28.1	30.0	31.9	33.8	37.6
	ISA+0°C	-37	(1)	97.8	1273	178	.68	386	22.5	26.4	28.4	30.3	32.3	34.3	38.2
	ISA-10°C	-45	(1)	97.8	1342	190	.72	399	22.3	26.0	27.9	29.8	31.6	33.5	37.2
	-67°C	-46	(2)	97.4	1321	188	.710	396	22.4	26.2	28.1	30.0	31.9	33.8	37.6
		-47	(2)	96.6	1284	185	.70	389	22.5	26.4	28.4	30.3	32.2	34.2	38.1
29000	ISA+20°C	-20	(1)	99.0	1181	155	.60	356	21.6	25.9	28.0	30.1	32.2	34.4	38.6
	ISA+10°C	-25	(1)	99.6	1320	183	.69	404	23.1	26.9	28.8	30.6	32.5	34.4	38.2
	ISA+0°C	-36	(1)	97.7	1282	183	.69	396	23.1	27.0	28.9	30.9	32.8	34.8	38.7
	ISA-10°C	-45	(1)	97.7	1349	193	.73	406	22.7	26.4	28.2	30.1	31.9	33.8	37.5
		-45	(1)	97.1	1321	191	.720	402	22.8	26.6	28.5	30.4	32.3	34.2	38.0
		-46	(2)	96.4	1286	188	.710	396	23.0	26.9	28.8	30.8	32.7	34.7	38.6
		-46	(2)	95.8	1256	185	.70	390	23.1	27.1	29.1	31.1	33.1	35.0	39.0
28000	ISA+20°C	-18	(1)	98.7	1186	163	.62	372	22.9	27.1	29.2	31.3	33.4	35.5	39.8
	ISA+10°C	-24	(1)	99.5	1324	187	.71	412	23.5	27.3	29.2	31.1	33.0	34.9	38.6
	ISA+0°C	-24	(1)	99.3	1308	185	.700	409	23.6	27.4	29.3	31.2	33.2	35.1	38.9
			-25	(2)	99.0	1290	183	.69	405	23.6	27.5	29.5	31.4	33.3	35.3
		-35	(1)	97.6	1286	187	.71	403	23.6	27.5	29.4	31.4	33.3	35.3	39.1
		-57°C	(2)	97.0	1268	185	.700	400	23.6	27.6	29.6	31.5	33.5	35.5	39.4
		-36	(2)	97.0	1249	183	.69	396	23.7	27.7	29.7	31.7	33.7	35.7	39.7
		-44	(1)	97.6	1356	197	.74	412	23.0	26.7	28.6	30.4	32.3	34.1	37.8
		-45	(1)	96.8	1320	194	.730	407	23.3	27.1	29.0	30.9	32.8	34.7	38.4
		-45	(1)	96.1	1285	191	.720	402	23.5	27.4	29.3	31.3	33.2	35.2	39.1
		-46	(2)	95.6	1256	188	.710	396	23.6	27.6	29.5	31.5	33.5	35.5	39.5
		-47	(2)	94.8	1211	183	.69	387	23.7	27.8	29.9	31.9	34.0	36.1	40.2
27000	ISA+20°C	-17	(1)	98.5	1190	169	.64	384	23.8	28.0	30.1	32.2	34.3	36.4	40.6
	ISA+10°C	-23	(1)	99.4	1327	190	.72	419	24.0	27.8	29.7	31.5	33.4	35.3	39.1
	ISA+0°C	-24	(1)	99.1	1307	188	.710	415	24.1	27.9	29.8	31.7	33.6	35.5	39.4
			-24	(1)	98.6	1278	185	.700	409	24.2	28.1	30.0	32.0	33.9	35.9
		-25	(1)	98.1	1251	182	.690	403	24.2	28.2	30.2	32.2	34.2	36.2	40.2
		-26	(2)	97.8	1230	180	.68	398	24.2	28.3	30.3	32.3	34.4	36.4	40.5
		-34	(1)	97.5	1293	191	.72	411	24.1	27.9	29.9	31.8	33.7	35.7	39.5
		-35	(1)	97.1	1266	188	.710	405	24.1	28.1	30.1	32.0	34.0	36.0	39.9
		-35	(1)	96.6	1238	185	.700	400	24.2	28.2	30.3	32.3	34.3	36.3	40.4
		-36	(1)	96.1	1212	182	.690	394	24.2	28.4	30.4	32.5	34.6	36.6	40.7
		-37	(2)	95.8	1192	180	.68	389	24.2	28.4	30.5	32.6	34.7	36.8	41.0
		-44	(1)	97.5	1361	200	.75	418	23.3	27.0	28.8	30.7	32.5	34.4	38.0
		-45	(1)	95.9	1285	194	.730	407	23.9	27.8	29.7	31.7	33.6	35.6	39.5
		-46	(1)	94.9	1226	188	.710	396	24.1	28.2	30.3	32.3	34.3	36.4	40.5
		-47	(1)	94.0	1173	182	.690	385	24.3	28.5	30.7	32.8	34.9	37.1	41.3
		-48	(2)	93.6	1152	179	.68	379	24.2	28.6	30.7	32.9	35.1	37.3	41.6
26000	ISA+20°C	-16	(1)	98.3	1194	174	.66	394	24.7	28.8	30.9	33.0	35.1	37.2	41.4
	ISA+10°C	-16	(1)	98.3	1193	174	.66	394	24.6	28.8	30.9	33.0	35.1	37.2	41.4
	ISA+0°C	-23	(1)	99.3	1331	193	.73	425	24.4	28.2	30.1	31.9	33.8	35.7	39.4
			-24	(1)	98.4	1277	188	.710	415	24.6	28.6	30.5	32.5	34.4	36.4
		-25	(1)	97.4	1221	182	.690	403	24.8	28.9	30.9	33.0	35.0	37.1	41.2
		-26	(1)	96.6	1174	176	.670	391	24.8	29.0	31.2	33.3	35.4	37.6	41.8
		-27	(2)	96.4	1163	175	.66	388	24.7	29.0	31.2	33.3	35.5	37.6	41.9
		-34	(1)	97.4	1297	194	.73	417	24.5	28.3	30.2	32.2	34.1	36.0	39.9
		-35	(1)	96.4	1237	188	.710	405	24.7	28.7	30.8	32.8	34.8	36.8	40.9
		-36	(1)	95.5	1183	182	.690	394	24.8	29.1	31.2	33.3	35.4	37.5	41.7
		-37	(1)	94.7	1139	176	.670	382	24.8	29.2	31.4	33.6	35.7	37.9	42.3
		-38	(2)	94.4	1124	174	.66	378	24.8	29.2	31.4	33.6	35.9	38.1	42.5
		-43	(1)	97.4	1366	202	.76	422	23.6	27.3	29.1	30.9	32.8	34.6	38.2
		-45	(1)	95.2	1255	194	.730	407	24.5	28.5	30.5	32.5	34.4	36.4	40.4
		-46	(1)	94.2	1196	188	.710	396	24.7	28.9	31.0	33.1	35.2	37.3	41.5
		-47	(1)	93.3	1146	182	.690	385	24.8	29.2	31.4	33.6	35.8	37.9	42.3
		-48	(2)	92.3	1092	175	.67	371	24.8	29.4	31.7	34.0	36.2	38.5	43.1
25000	ISA+20°C	-15	(1)	98.1	1194	178	.67	403	25.3	29.5	31.6	33.7	35.8	37.9	42.1
	ISA+10°C	-16	(1)	97.5	1161	173	.660	394	25.3	29.6	31.7	33.9	36.0	38.2	42.5
	ISA+0°C	-17	(1)	97.1	1139	171	.650	387	25.2	29.6	31.8	34.0	36.2	38.4	42.8
			-17	(2)	96.9	1127	169	.64	384	25.2	29.7	31.9	34.1	36.3	38.5
		-22	(1)	99.2	1334	196	.74	431	24.8	28.5	30.4	32.3	34.2	36.0	39.8
		-24	(1)	97.7	1248	188	.710	415	25.2	29.2	31.2	33.2	35.2	37.2	41.2
		-25	(1)	96.8	1193	182	.690	403	25.4	29.6	31.7	33.8	35.9	37.9	42.1
		-26	(1)	95.9	1147	176	.670	391	25.4	29.7	31.9	34.1	36.3	38.5	42.8
		-28	(2)	94.8	1090	169	.64	375	25.3	29.8	32.1	34.4	36.7	39.0	43.6
		-33	(1)	97.4	1302	197	.74	423	24.8	28.6	30.5	32.5	34.4	36.3	40.1
		-34	(1)	96.3	1239	191	.720	411	25.1	29.2	31.2	33.2	35.2	37.2	41.3
		-35	(1)	95.3	1182	185	.700	400	25.4	29.6	31.7	33.8	35.9	38.1	42.3
		-37	(1)	94.4	1133	179	.680	388	25.4	29.8	32.0	34.2	36.4	38.6	43.1
		-39	(2)	93.0	1059	169	.64	368	25.3	30.0	32.4	34.7	37.1	39.5	44.2
		-43	(1)	97.3	1368	204	.76	426	23.8	27.5	29.3	31.2	33.0	34.8	38.5
		-45	(1)	94.6	1229	194	.730	407	25.0	29.1	31.1	33.1	35.2	37.2	41.3
		-46	(1)	93.1	1145	185	.700	390	25.4	29.7	31.9	34.1	36.3	38.5	42.8
		-48	(1)	91.8	1076	176	.670	373	25.4	30.1	32.4	34.7	37.0	39.4	44.0
		-49	(2)	90.9	1027	169	.65	360	25.3	30.2	32.6	35.0	37.5	39.9	44.8

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CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 45000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								H E A D W I N D			Z E R O W I N D	T A I L W I N D			
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT	
24000	ISA+20°C -37°C	-14	(1)	98.0	1197	.81	.69	410	25.9	30.1	32.2	34.3	36.4	38.4	42.6
		-15		97.2	1155	.776	.670	400	25.9	30.3	32.4	34.6	36.8	38.9	43.3
		-16		96.8	1133	.773	.660	394	25.9	30.3	32.5	34.7	36.9	39.2	43.6
		-17		96.3	1108	.771	.650	387	25.9	30.5	32.7	35.0	37.2	39.5	44.0
		-18	(2)	95.6	1075	.766	.64	379	25.9	30.6	32.9	35.2	37.6	39.9	44.5
	ISA+10°C -47°C	-22	(1)	99.1	1337	.199	.75	436	25.1	28.9	30.7	32.6	34.5	36.3	40.1
		-23		97.6	1252	.191	.720	421	25.6	29.6	31.6	33.6	35.6	37.6	41.6
		-25		96.1	1166	.182	.690	403	26.0	30.3	32.4	34.5	36.7	38.8	43.1
		-27		94.8	1097	.173	.660	385	26.0	30.6	32.8	35.1	37.4	39.7	44.2
		-28	(2)	93.8	1050	.168	.64	373	26.0	30.8	33.1	35.5	37.9	40.3	45.0
	ISA+0°C -57°C	-32	(1)	97.3	1307	.200	.75	428	25.1	28.9	30.8	32.7	34.6	36.5	40.4
		-34		95.7	1213	.191	.720	411	25.7	29.8	31.9	33.9	36.0	38.0	42.2
		-36		94.2	1131	.182	.690	394	26.0	30.4	32.6	34.8	37.0	39.3	43.7
		-38		92.9	1064	.173	.660	377	26.0	30.7	33.0	35.4	37.7	40.1	44.8
		-39	(2)	91.9	1018	.168	.64	365	26.0	30.9	33.4	35.8	38.3	40.8	45.7
	ISA-10°C -67°C	-42	(1)	97.3	1371	.206	.77	430	24.1	27.7	29.5	31.4	33.2	35.0	38.7
		-44		94.6	1237	.197	.740	413	25.3	29.4	31.4	33.4	35.4	37.4	41.5
		-46		93.0	1146	.188	.710	396	25.8	30.2	32.4	34.5	36.7	38.9	43.3
		-48		91.5	1071	.179	.680	379	26.1	30.7	33.1	35.4	37.7	40.1	44.7
		-50	(2)	89.8	985	.167	.64	356	26.0	31.1	33.6	36.1	38.7	41.2	46.3
23000	ISA+20°C -37°C	-14	(1)	97.9	1199	.85	.70	416	26.4	30.6	32.6	34.7	36.8	38.9	43.1
		-15		96.9	1150	.779	.680	406	26.6	30.9	33.1	35.3	37.4	39.6	44.0
		-16		96.0	1102	.773	.660	394	26.6	31.2	33.4	35.7	38.0	40.2	44.8
		-17		95.0	1055	.768	.640	381	26.7	31.4	33.8	36.2	38.5	40.9	45.6
		-18	(2)	94.4	1024	.763	.63	373	26.6	31.5	34.0	36.4	38.8	41.3	46.2
	ISA+10°C -47°C	-21	(1)	99.0	1338	.201	.75	440	25.4	29.2	31.0	32.9	34.8	36.6	40.4
		-23		97.1	1227	.191	.720	421	26.1	30.2	32.2	34.3	36.3	38.4	42.4
		-25		95.4	1141	.182	.690	403	26.5	30.9	33.1	35.3	37.5	39.7	44.1
		-27		94.0	1070	.173	.660	385	26.7	31.3	33.7	36.0	38.3	40.7	45.4
		-29	(2)	92.6	998	.164	.63	366	26.7	31.7	34.2	36.7	39.2	41.7	46.7
	ISA+0°C -57°C	-32	(1)	97.3	1311	.202	.76	432	25.3	29.1	31.1	33.0	34.9	36.8	40.6
		-34		95.1	1188	.191	.720	411	26.2	30.4	32.5	34.6	36.7	38.8	43.0
		-36		93.5	1105	.182	.690	394	26.6	31.1	33.4	35.6	37.9	40.2	44.7
		-38		92.1	1036	.173	.660	377	26.7	31.5	33.9	36.4	38.9	41.2	46.0
		-40	(2)	90.6	963	.164	.63	357	26.7	31.8	34.4	37.0	39.6	42.2	47.4
	ISA-10°C -67°C	-42	(1)	97.2	1373	.208	.78	433	24.3	27.9	29.7	31.5	33.4	35.2	38.8
		-44		94.1	1212	.197	.740	413	25.8	29.9	32.0	34.1	36.1	38.2	42.3
		-46		91.9	1096	.185	.700	390	26.5	31.1	33.3	35.6	37.9	40.2	44.7
		-49		90.0	1003	.173	.660	368	26.7	31.7	34.2	36.7	39.2	41.7	46.6
		-50	(2)	88.7	943	.165	.63	352	26.7	32.0	34.6	37.3	39.9	42.6	47.9
22000	ISA+20°C -37°C	-13	(1)	97.8	1201	.87	.71	422	26.8	31.0	33.0	35.1	37.2	39.3	43.5
		-14		96.7	1151	.82	.690	412	27.1	31.4	33.6	35.8	38.0	40.1	44.5
		-15		95.7	1098	.776	.670	400	27.3	31.8	34.1	36.4	38.7	40.9	45.5
		-17		94.7	1049	.771	.650	387	27.4	32.2	34.6	37.0	39.3	41.7	46.5
		-18	(2)	93.3	986	.762	.62	370	27.4	32.5	35.0	37.5	40.1	42.6	47.7
	ISA+10°C -47°C	-21	(1)	98.9	1339	.203	.76	444	25.7	29.4	31.3	33.1	35.0	36.9	40.6
		-23		96.5	1202	.191	.720	421	26.7	30.8	32.9	35.0	37.1	39.2	43.3
		-25		94.8	1114	.182	.690	403	27.2	31.7	33.9	36.2	38.4	40.6	45.1
		-27		93.3	1041	.173	.660	385	27.4	32.2	34.6	37.0	39.4	41.8	46.6
		-29	(2)	91.5	958	.163	.62	363	27.4	32.6	35.3	37.9	40.5	43.1	48.3
	ISA+0°C -57°C	-31	(1)	97.2	1312	.204	.76	436	25.6	29.4	31.3	33.2	35.1	37.0	40.8
		-34		95.0	1194	.194	.730	417	26.6	30.8	32.8	34.9	37.0	39.1	43.3
		-36		92.9	1080	.182	.690	394	27.2	31.8	34.1	36.5	38.8	41.1	45.7
		-38		90.9	987	.171	.650	371	27.4	32.5	35.0	37.6	40.1	42.6	47.7
		-40	(2)	89.6	925	.162	.62	354	27.4	32.8	35.5	38.2	40.9	43.6	49.0
	ISA-10°C -67°C	-41	(1)	97.2	1375	.210	.78	436	24.4	28.1	29.9	31.7	33.5	35.3	39.0
		-44		93.5	1187	.197	.740	413	26.4	30.6	32.7	34.8	36.9	39.0	43.2
		-46		91.3	1072	.185	.700	390	27.1	31.7	34.1	36.4	38.7	41.1	45.7
		-49		89.2	977	.173	.660	368	27.4	32.5	35.1	37.6	40.2	42.8	47.9
		-50	(2)	87.7	908	.164	.63	349	27.4	32.9	35.7	38.4	41.2	43.9	49.4
20000	ISA+20°C -37°C	-12	(1)	97.5	1207	.93	.73	434	27.7	31.8	33.9	36.0	38.0	40.1	44.2
		-14		95.9	1125	.85	.700	418	28.2	32.7	34.9	37.1	39.3	41.6	46.0
		-15		94.4	1047	.776	.670	400	28.6	33.4	35.8	38.2	40.5	42.9	47.7
		-17		92.8	975	.768	.640	381	28.9	34.0	36.6	39.1	41.7	44.3	49.4
		-19	(2)	91.7	927	.761	.62	368	28.9	34.3	37.0	39.7	42.4	45.1	50.5
	ISA+10°C -47°C	-20	(1)	98.8	1342	.206	.77	451	26.1	29.9	31.7	33.6	35.4	37.3	41.0
		-23		95.8	1181	.194	.730	427	27.7	31.9	34.0	36.1	38.3	40.4	44.6
		-25		93.5	1066	.182	.690	403	28.4	33.1	35.5	37.8	40.2	42.5	47.2
		-28		91.4	969	.171	.650	379	28.8	34.0	36.6	39.1	41.7	44.3	49.5
		-29	(2)	90.1	910	.163	.62	364	29.0	34.5	37.3	40.0	42.8	45.5	51.0
	ISA+0°C -57°C	-31	(1)	97.1	1316	.207	.77	442	26.0	29.8	31.7	33.6	35.5	37.4	41.2
		-34		93.8	1143	.194	.730	417	27.7	32.1	34.3	36.5	38.7	40.9	45.2
		-36		91.6	1032	.182	.690	394	28.5	33.3	35.7	38.2	40.6	43.0	47.8
		-38		89.6	938	.171	.650	371	28.9	34.2	36.8	39.5	42.2	44.8	50.2
		-40	(2)	88.0	874	.162	.62	353	29.0	34.7	37.5	40.4	43.3	46.1	51.8
	ISA-10°C -67°C	-41	(1)	97.1	1377	.212	.79	441	24.8	28.4	30.2	32.0	33.8	35.6	39.3
		-43		93.0	1174	.200	.750	419	27.1	31.4	33.5	35.7	37.8	39.9	44.2
		-46		90.5	1050	.188	.710	396	28.2	32.9	35.3	37.7	40.1	42.5	47.2
		-48		88.4	953	.176	.670	373	28.7	33.9	36.5	39.2	41.8	44.4	49.7
		-51	(2)	85.7	844	.161	.62	343	28.8	34.8	37.7	40.7	43.6	46.6	52.5

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(1) MAXIMUM CRUISE THRUST

(2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 47000 FEET

ANTI-ICE SYSTEMS OFF
TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL							
								HEADWIND			ZERO	TAILWIND			
								100 KT	50 KT	25 KT	WIND	25 KT	50 KT	100 KT	
28000	ISA+10°C	-29	(1)	99.2	1143	154	.62	361	22.8	27.2	29.4	31.6	33.8	36.0	40.3
	ISA+0°C	-40	(1)	97.1	1100	153	.61	350	22.7	27.2	29.5	31.8	34.1	36.3	40.9
	ISA-10°C	-47	(1)	97.4	1202	176	.70	390	24.1	28.2	30.3	32.4	34.5	36.6	40.7
27000	ISA+10°C	-28	(1)	98.9	1152	163	.65	379	24.2	28.6	30.7	32.9	35.1	37.2	41.6
	ISA+0°C	-39	(1)	96.9	1111	162	.65	369	24.2	28.7	31.0	33.2	35.5	37.7	42.2
	ISA-10°C	-46	(1)	97.3	1210	181	.71	398	24.6	28.8	30.8	32.9	35.0	37.0	41.2
26000	ISA+10°C	-26	(2)	96.4	1168	176	.70	390	24.8	29.1	31.2	33.4	35.5	37.6	41.9
	ISA+0°C	-26	(1)	98.7	1158	169	.67	393	25.3	29.7	31.8	34.0	36.1	38.3	42.6
	ISA-10°C	-37	(1)	96.8	1122	169	.67	385	25.4	29.8	32.1	34.3	36.5	38.7	43.2
25000	ISA+10°C	-45	(1)	97.1	1216	184	.73	405	25.1	29.2	31.3	33.3	35.4	37.4	41.6
	ISA+0°C	-45	(1)	96.7	1197	182	.720	402	25.2	29.4	31.5	33.6	35.7	37.7	41.9
	ISA-10°C	-46	(2)	96.0	1165	179	.710	396	25.4	29.7	31.9	34.0	36.1	38.3	42.6
24000	ISA+10°C	-46	(2)	95.5	1138	177	.70	390	25.5	29.9	32.1	34.3	36.5	38.7	43.1
	ISA+20°C	-19	(1)	97.8	1043	151	.61	361	25.1	29.9	32.3	34.7	37.1	39.5	44.2
	ISA+10°C	-25	(1)	98.6	1164	174	.69	404	26.1	30.4	32.6	34.7	36.9	39.0	43.3
23000	ISA+10°C	-47°C	(2)	98.5	1159	174	.69	403	26.1	30.4	32.6	34.7	36.9	39.1	43.4
	ISA+0°C	-36	(1)	96.6	1130	175	.69	396	26.2	30.6	32.8	35.0	37.2	39.4	43.9
	ISA-10°C	-57°C	(2)	96.5	1123	174	.69	394	26.2	30.6	32.8	35.1	37.3	39.5	44.0
22000	ISA+10°C	-44	(1)	97.0	1222	188	.74	412	25.6	29.6	31.7	33.7	35.8	37.8	41.9
	ISA+0°C	-45	(1)	96.3	1191	185	.730	407	25.8	30.0	32.1	34.2	36.3	38.4	42.6
	ISA-10°C	-45	(1)	95.7	1160	182	.720	402	26.0	30.3	32.5	34.6	36.8	38.9	43.2
21000	ISA+10°C	-46	(2)	95.2	1135	179	.710	396	26.1	30.5	32.7	34.9	37.1	39.3	43.7
	ISA+0°C	-47	(2)	94.2	1085	174	.69	384	26.2	30.8	33.1	35.4	37.7	40.0	44.6
	ISA-10°C	-18	(1)	97.5	1047	157	.63	375	26.3	31.1	33.5	35.9	38.2	40.6	45.4
20000	ISA+10°C	-24	(1)	98.4	1167	178	.71	412	26.7	31.0	33.2	35.3	37.4	39.6	43.9
	ISA+0°C	-24	(1)	98.1	1153	177	.700	409	26.8	31.1	33.3	35.4	37.6	39.8	44.1
	ISA-10°C	-25	(1)	97.7	1129	174	.690	403	26.8	31.3	33.5	35.7	37.9	40.1	44.5
19000	ISA+10°C	-26	(2)	97.3	1107	171	.680	397	26.8	31.3	33.6	35.8	38.1	40.4	44.9
	ISA+0°C	-26	(2)	97.1	1096	169	.67	394	26.8	31.4	33.6	35.9	38.2	40.5	45.0
	ISA-10°C	-35	(1)	96.5	1133	178	.71	403	26.8	31.2	33.4	35.6	37.8	40.0	44.4
18000	ISA+10°C	-35	(1)	96.2	1117	177	.700	400	26.8	31.3	33.5	35.8	38.0	40.3	44.7
	ISA+0°C	-36	(1)	95.8	1095	174	.690	394	26.8	31.4	33.7	36.0	38.3	40.5	45.1
	ISA-10°C	-37	(2)	95.3	1073	171	.680	388	26.9	31.5	33.8	36.2	38.5	40.8	45.5
17000	ISA+10°C	-37	(2)	94.9	1052	168	.67	382	26.8	31.5	33.9	36.3	38.7	41.1	45.8
	ISA+0°C	-43	(1)	96.9	1226	191	.75	418	25.9	30.0	32.0	34.1	36.1	38.2	42.2
	ISA-10°C	-45	(1)	95.5	1160	185	.730	407	26.5	30.8	33.0	35.1	37.3	39.4	43.8
16000	ISA+10°C	-46	(1)	94.5	1106	179	.710	396	26.8	31.3	33.5	35.8	38.1	40.3	44.8
	ISA+0°C	-47	(1)	93.5	1059	174	.690	385	26.9	31.6	34.0	36.3	38.7	41.0	45.8
	ISA-10°C	-48	(2)	92.8	1021	168	.67	374	26.8	31.7	34.2	36.6	39.1	41.5	46.4
15000	ISA+20°C	-17	(1)	97.3	1049	162	.65	386	27.3	32.1	34.4	36.8	39.2	41.6	46.4
	ISA+10°C	-17	(2)	97.3	1047	162	.65	386	27.3	32.1	34.4	36.8	39.2	41.6	46.4
	ISA+0°C	-23	(1)	98.3	1171	181	.72	419	27.2	31.5	33.6	35.8	37.9	40.0	44.3
14000	ISA+10°C	-24	(1)	97.4	1125	177	.700	409	27.5	31.9	34.1	36.3	38.6	40.8	45.2
	ISA+0°C	-26	(1)	96.5	1078	171	.680	397	27.5	32.2	34.5	36.8	39.1	41.4	46.1
	ISA-10°C	-27	(2)	95.7	1038	165	.660	385	27.5	32.3	34.7	37.1	39.5	41.9	46.7
13000	ISA+10°C	-27	(2)	95.4	1023	163	.65	380	27.4	32.3	34.7	37.2	39.6	42.1	47.0
	ISA+0°C	-34	(1)	96.4	1138	182	.72	411	27.3	31.7	33.9	36.1	38.3	40.5	44.9
	ISA-10°C	-35	(1)	95.5	1090	177	.700	400	27.5	32.1	34.4	36.7	38.9	41.2	45.8
12000	ISA+10°C	-37	(1)	94.6	1046	171	.680	388	27.5	32.3	34.7	37.1	39.5	41.9	46.7
	ISA+0°C	-38	(1)	93.8	1006	165	.660	377	27.5	32.5	34.9	37.4	39.9	42.4	47.4
	ISA-10°C	-38	(2)	93.5	991	163	.65	372	27.4	32.5	35.0	37.5	40.0	42.6	47.6
11000	ISA+10°C	-43	(1)	96.8	1231	193	.76	423	26.2	30.3	32.3	34.4	36.4	38.4	42.5
	ISA+0°C	-45	(1)	94.8	1132	185	.730	407	27.1	31.6	33.8	36.0	38.2	40.4	44.8
	ISA-10°C	-46	(1)	93.2	1054	177	.700	390	27.5	32.3	34.7	37.0	39.4	41.8	46.5
10000	ISA+10°C	-48	(1)	92.0	992	168	.670	373	27.6	32.6	35.1	37.6	40.2	42.7	47.7
	ISA+0°C	-49	(2)	91.1	950	162	.65	360	27.4	32.6	35.3	37.9	40.5	43.2	48.4
	ISA-10°C	-16	(1)	97.1	1052	167	.66	396	28.1	32.9	35.3	37.7	40.0	42.4	47.2
9000	ISA+10°C	-17	(2)	96.5	1023	163	.650	387	28.1	33.0	35.4	37.9	40.3	42.8	47.7
	ISA+0°C	-17	(2)	96.0	1003	160	.64	382	28.1	33.1	35.6	38.1	40.6	43.1	48.1
	ISA-10°C	-23	(1)	98.2	1174	184	.73	425	27.7	31.9	34.1	36.2	38.3	40.5	44.7
8000	ISA+10°C	-24	(1)	97.2	1124	179	.710	415	28.0	32.4	34.7	36.9	39.1	41.3	45.8
	ISA+0°C	-25	(1)	96.2	1074	174	.690	403	28.2	32.9	35.2	37.5	39.8	42.2	46.8
	ISA-10°C	-26	(1)	95.3	1030	168	.670	391	28.2	33.1	35.5	38.0	40.4	42.8	47.7
7000	ISA+10°C	-28	(2)	94.1	973	160	.64	374	28.2	33.3	35.9	38.5	41.0	43.6	48.7
	ISA+0°C	-34	(1)	96.4	1143	185	.73	417	27.7	32.1	34.3	36.5	38.7	40.9	45.2
	ISA-10°C	-35	(1)	95.3	1089	179	.710	405	28.1	32.6	34.9	37.2	39.5	41.8	46.4
6000	ISA+10°C	-36	(1)	94.3	1040	174	.690	394	28.3	33.1	35.5	37.9	40.3	42.7	47.5
	ISA+0°C	-37	(1)	93.4	997	168	.670	382	28.3	33.3	35.8	38.3	40.8	43.3	48.4
	ISA-10°C	-39	(2)	92.2	945	161	.64	367	28.2	33.5	36.2	38.8	41.5	44.1	49.4
5000	ISA+10°C	-42	(1)	96.8	1235	195	.76	427	26.5	30.6	32.6	34.6	36.6	38.7	42.7
	ISA+0°C	-45	(1)	94.2	1108	185	.730	407	27.8	32.3	34.5	36.8	39.0	41.3	45.8
	ISA-10°C	-46	(1)	92.6	1029	177	.700	390	28.2	33.1	35.5	37.9	40.4	42.8	47.6
4000	ISA+10°C	-48	(1)	91.2	966	168	.670	373	28.3	33.5	36.1	38.7	41.3	43.8	49.0
	ISA+0°C	-48	(1)	90.0	913	160	.64	358	28.2	33.7	36.4	39.2	41.9	44.7	50.1

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CITATION SOVEREIGN+ PERFORMANCE MANUAL

CRUISE 47000 FEET

ANTI-ICE SYSTEMS OFF

TWO ENGINES

WT LBS	TEMP	RAT °C	FAN PERCENT RPM	FUEL FLOW LBS/HR	KIAS	IND MACH	KTAS	NAUTICAL MILES / 100 LBS FUEL								
								HEADWIND			ZERO WIND	TAILWIND				
								100 KT	50 KT	25 KT		25 KT	50 KT	100 KT		
20000	ISA+20°C -37°C	-14	(1)	96.8	1058	.174	.69	413	29.5	34.3	36.6	39.0	41.4	43.7	48.5	
		-15		95.7	1007	.168	.670	400	29.7	34.7	37.2	39.7	42.2	44.6	49.6	
		-17		94.7	963	.163	.650	387	29.9	35.1	37.7	40.3	42.9	45.4	50.6	
		-18		93.7	921	.157	.630	375	29.9	35.3	38.0	40.8	43.5	46.2	51.6	
			-18	(2)	93.4	908	.155	.62	371	29.9	35.4	38.2	40.9	43.7	46.4	51.9
	ISA+10°C -47°C	-21	(1)	98.0	1179	.190	.75	436	28.5	32.7	34.9	37.0	39.1	41.2	45.5	
		-23		96.5	1101	.182	.720	421	29.1	33.7	35.9	38.2	40.5	42.8	47.3	
		-25		94.7	1021	.174	.690	403	29.7	34.6	37.0	39.5	41.9	44.4	49.3	
		-27		93.3	955	.165	.660	385	29.9	35.1	37.7	40.3	43.0	45.6	50.8	
			-29	(2)	91.6	883	.156	.62	364	29.9	35.6	38.4	41.3	44.1	46.9	52.6
	ISA+0°C -57°C	-32	(1)	96.2	1151	.191	.75	428	28.5	32.9	35.0	37.2	39.4	41.6	45.9	
		-34		94.5	1066	.182	.720	411	29.2	33.9	36.2	38.6	40.9	43.3	48.0	
		-36		92.8	990	.174	.690	394	29.7	34.7	37.3	39.8	42.3	44.8	49.9	
		-38		91.4	924	.165	.660	377	29.9	35.3	38.0	40.7	43.4	46.1	51.5	
			-40	(2)	89.8	857	.156	.63	357	29.9	35.8	38.7	41.6	44.5	47.4	53.3
	ISA-10°C -67°C	-42	(1)	96.6	1238	.199	.78	434	27.0	31.0	33.1	35.1	37.1	39.1	43.2	
		-44		93.5	1087	.188	.740	413	28.8	33.4	35.7	38.0	40.3	42.6	47.2	
		-46		91.2	982	.177	.700	390	29.6	34.7	37.2	39.8	42.3	44.8	49.9	
		-49		89.2	896	.165	.660	368	29.9	35.5	38.3	41.1	43.9	46.6	52.2	
			-51	(2)	87.4	826	.155	.62	346	29.8	35.9	38.9	42.0	45.0	48.0	54.1

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- (1) MAXIMUM CRUISE THRUST
- (2) THRUST FOR MAXIMUM RANGE (APPROXIMATE)

CITATION SOVEREIGN+ PERFORMANCE MANUAL

NORMAL DESCENT

**2000 FEET PER MINUTE RATE OF DESCENT
ANTI-ICE SYSTEMS OFF**

SPEED BRAKES RETRACTED

GEAR AND FLAPS UP

PRESSURE ALTITUDE FEET	KIAS	WEIGHT AT START OF DESCENT - LBS								
		28000			24000			20000		
		TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS
47,000	196	24.5	157	354	24.6	158	381	24.6	158	411
45,000	206	23.2	147	340	23.2	148	365	23.1	147	394
43,000	216	22.0	139	327	21.9	138	351	21.8	138	380
41,000	227	20.9	131	315	20.8	130	339	20.7	130	367
39,000	238	19.9	123	303	19.8	123	326	19.7	122	355
37,000	250	18.9	116	290	18.8	115	313	18.7	115	342
35,000	262	17.9	108	275	17.8	108	298	17.7	108	326
33,000	275	16.9	101	258	16.8	100	281	16.7	100	308
31,000	288	15.9	93	239	15.8	93	261	15.7	93	287
29,000	295	14.9	86	220	14.8	85	241	14.7	85	266
27,000	295	13.9	79	203	13.8	78	223	13.7	78	246
25,000	295	12.9	71	186	12.8	71	204	12.7	70	227
23,000	295	11.9	64	169	11.8	64	186	11.7	64	207
21,000	295	10.9	58	152	10.8	57	167	10.7	57	186
19,000	295	9.9	51	135	9.8	51	149	9.7	50	166
17,000	295	8.9	45	117	8.8	44	130	8.7	44	145
15,000	295	7.9	39	99	7.8	38	110	7.7	38	124
10,000	250	5.1	23	51	5.0	22	60	5.0	22	71
5,000	250	2.6	11	27	2.5	11	31	2.5	11	37

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ANTI-ICE SYSTEMS ON

SPEED BRAKES RETRACTED

GEAR AND FLAPS UP

PRESSURE ALTITUDE FEET	KIAS	WEIGHT AT START OF DESCENT - LBS								
		28000			24000			20000		
		TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS
41,000	227	21.1	132	365	20.8	130	385	20.8	130	415
39,000	238	20.1	124	352	19.8	123	372	19.8	122	401
37,000	250	19.1	117	338	18.8	115	357	18.8	115	386
35,000	262	18.1	109	321	17.8	108	340	17.8	108	369
33,000	275	17.1	102	303	16.8	101	321	16.8	100	349
31,000	288	16.1	94	281	15.8	93	299	15.8	93	327
29,000	295	15.1	87	260	14.8	86	277	14.8	85	303
27,000	295	14.1	80	241	13.8	78	256	13.8	78	281
25,000	295	13.1	72	222	12.8	71	236	12.8	71	259
23,000	295	12.1	65	203	11.8	64	215	11.8	64	237
21,000	295	11.1	59	184	10.8	57	194	10.8	57	214
19,000	295	10.1	52	165	9.8	51	173	9.8	50	191
17,000	295	9.2	46	145	8.8	44	152	8.8	44	168
15,000	295	8.2	40	125	7.8	38	130	7.8	38	144
10,000	250	5.3	23	69	5.0	22	71	5.0	22	83
5,000	250	2.7	12	37	2.5	11	37	2.5	11	43

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WIND EFFECT ON DESCENT DISTANCE - NM
(SUBTRACT FOR HEADWIND, ADD FOR TAILWIND)

TIME (MIN)	WIND		
	25KTS	50KTS	100KTS
5	2	4	8
10	4	8	16
15	6	12	25
20	8	16	33
25	10	20	41
30	12	25	50

CITATION SOVEREIGN+ PERFORMANCE MANUAL

HIGH SPEED DESCENT

**3000 FEET PER MINUTE RATE OF DESCENT
ANTI-ICE SYSTEMS OFF**

SPEED BRAKES RETRACTED

GEAR AND FLAPS UP

PRESSURE ALTITUDE FEET	KIAS	WEIGHT AT START OF DESCENT - LBS								
		28000			24000			20000		
		TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS
47,000	196	19.9	126	217	19.4	124	231	18.8	121	244
45,000	206	18.7	117	203	18.1	114	216	17.3	110	227
43,000	216	17.5	108	190	16.8	105	202	16.0	100	212
41,000	227	16.4	100	177	15.7	97	189	14.9	92	200
39,000	238	15.4	92	165	14.7	89	177	13.9	85	188
37,000	250	14.5	86	154	13.8	83	167	13.1	79	179
35,000	262	13.7	80	146	13.1	77	158	12.4	74	170
33,000	275	13.0	75	138	12.4	72	150	11.7	69	161
31,000	288	12.4	70	128	11.8	67	139	11.1	64	150
29,000	295	11.7	65	119	11.1	62	129	10.4	59	138
27,000	295	11.0	60	112	10.4	57	121	9.7	54	128
25,000	295	10.4	55	105	9.8	53	112	9.1	50	118
23,000	295	9.7	51	98	9.1	48	104	8.4	45	108
21,000	295	9.0	46	91	8.4	44	95	7.7	41	98
19,000	295	8.4	42	83	7.8	39	86	7.1	36	88
17,000	295	7.7	38	76	7.1	35	77	6.4	32	78
15,000	295	7.0	34	69	6.4	31	69	5.8	28	67
10,000	250	5.0	22	49	4.4	20	43	3.8	17	37
5,000	250	2.6	11	27	2.3	10	24	1.9	8	20

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ANTI-ICE SYSTEMS ON

SPEED BRAKES RETRACTED

GEAR AND FLAPS UP

PRESSURE ALTITUDE FEET	KIAS	WEIGHT AT START OF DESCENT - LBS								
		28000			24000			20000		
		TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS	TIME MIN	DIST NM	FUEL LBS
41,000	227	16.9	103	221	16.0	98	227	15.2	94	237
39,000	238	15.9	95	208	15.0	91	214	14.2	87	225
37,000	250	14.9	88	195	14.1	84	202	13.4	81	214
35,000	262	14.1	82	184	13.4	79	192	12.6	75	203
33,000	275	13.4	77	174	12.7	74	182	12.0	70	193
31,000	288	12.8	72	164	12.0	69	170	11.3	65	180
29,000	295	12.1	67	153	11.3	63	159	10.6	60	168
27,000	295	11.4	62	144	10.7	59	150	10.0	55	157
25,000	295	10.7	57	135	10.0	54	140	9.3	51	145
23,000	295	10.0	52	127	9.3	49	131	8.6	46	134
21,000	295	9.3	48	118	8.7	45	121	8.0	42	123
19,000	295	8.6	43	110	8.0	40	111	7.3	37	111
17,000	295	8.0	39	102	7.4	36	101	6.7	33	100
15,000	295	7.3	35	94	6.7	32	91	6.0	29	87
10,000	250	5.3	23	68	4.7	21	61	4.0	18	52
5,000	250	2.7	11	37	2.4	10	33	2.0	9	28

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WIND EFFECT ON DESCENT DISTANCE - NM
(SUBTRACT FOR HEADWIND, ADD FOR TAILWIND)

TIME (MIN)	WIND		
	25KTS	50KTS	100KTS
5	2	4	8
10	4	8	16
15	6	12	25
20	8	16	33
25	10	20	41
30	12	25	50