

QUICK REFERENCE HANDBOOK #1

PERFORMANCE

FALCON 50EX

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QRH1 (PERFORMANCE) REVISIONS

REVISION	DATE	ISSUE PURPOSE
Original	01-31-2020	Initial edition

Changes are highlighted in grey

QRH1 (PERFORMANCE) REVISIONS

TITLE				PAGE		REV
VFT - VFR						
VFT - VFR				50-05	Page 1	Original
TAKE-OFF						
SLATS	A/I OFF	DRY	0 FT	50-10	Page 1	Original
SLATS	A/I OFF	DRY	2,000 FT	50-10	Page 2	Original
SLATS	A/I OFF	DRY	4,000 FT	50-10	Page 3	Original
SLATS	A/I OFF	DRY	6,000 FT	50-10	Page 4	Original
SLATS + FLAPS 20°	A/I OFF	DRY	0 FT	50-11	Page 1	Original
SLATS + FLAPS 20°	A/I OFF	DRY	2,000 FT	50-11	Page 2	Original
SLATS + FLAPS 20°	A/I OFF	DRY	4,000 FT	50-11	Page 3	Original
SLATS + FLAPS 20°	A/I OFF	DRY	6,000 FT	50-11	Page 4	Original
SLATS	A/I ON	DRY	0 FT	50-12	Page 1	Original
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SLATS + FLAPS 20°	A/I ON	DRY	0 FT	50-13	Page 1	Original
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LANDING						
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SLATS	A/I OFF		ACG	50-23	Page 1	Original
SLATS	A/I ON		ACG	50-23	Page 2	Original

ABBREVIATIONS AND TERMINOLOGY

ACG.....	Approach climb gradient
A/I.....	Anti-ice
Accel.....	Acceleration
BFL.....	Balanced field length
Ft.....	Feet
GCLB2...	Second segment gross climb gradient
Kt.....	Knots
Lb.....	Pounds
LCG.....	Landing climb gradient
LD.....	Landing distance
LFL.....	Landing Field Length
LW.....	Landing weight
OAT.....	Outside air temperature
S+F.....	Slats + Flaps
TOW.....	Take-off weight
VFR.....	Slats - flaps retraction speed
VFT.....	Final take-off speed / En-route climb speed (with one engine inoperative)
VR.....	Rotation speed
VMBE.....	Velocity - Maximum Brake Energy
VREF.....	Reference speed
Zp.....	Pressure altitude

VFT - VFR

VFT - VFR

TAKE-OFF - DRY RUNWAY

	S+FLAPS 20°		SLATS	
Zp = 0 FT	S+F 20° - A/I OFF	S+F 20° - A/I ON	SLATS - A/I OFF	SLATS - A/I ON
Zp = 2,000 FT	S+F 20° - A/I OFF	S+F 20° - A/I ON	SLATS - A/I OFF	SLATS - A/I ON
Zp = 4,000 FT	S+F 20° - A/I OFF	S+F 20° - A/I ON	SLATS - A/I OFF	SLATS - A/I ON
Zp = 6,000 FT	S+F 20° - A/I OFF	S+F 20° - A/I ON	SLATS - A/I OFF	SLATS - A/I ON

LANDING

S + FLAPS 48°	VREF	
	LFL	
	LCG - A/I OFF	LCG - A/I ON
S + FLAPS 20°	ACG - A/I OFF	ACG - A/I ON
	VREF+5	
	LFL	
	LCG - A/I OFF	LCG - A/I ON
SLATS	ACG - A/I OFF	ACG - A/I ON

<i>TOW (lb)</i>	<i>VFT (kt)</i>
24,000	148
25,000	151
26,000	154
27,000	157
28,000	160
29,000	163
30,000	166
31,000	169
32,000	171
33,000	174
34,000	176
35,000	179
36,000	181
37,000	184
38,000	187
39,000	189
39,700	191

<i>Slats-Flaps setting</i>	<i>VFR (kt)</i>
SLATS	V2 + 25
S + FLAPS 20°	V2 + 15

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	SLATS						Cell legend					
A/I OFF							Zp (ft) = 0					
TOW (lb)	+0.0 °C			+15.0 °C			+30.0 °C			+45.0 °C		
24,000	91	86.8/87.7	>16	91	89.0/89.9	>16	91	91.0/92.0	>16	92	87.1/88.0	12.6
	107	0.43	2,625	107	0.43	2,737	107	0.40	3,000	107	0.34	3,549
	148	22.0	L4	148	22.0	L4	148	22.0	L4	148	20.7	-
25,000	91	86.8/87.7	>16	91	89.0/89.9	>16	91	91.0/92.0	15.4	95	87.1/88.0	11.7
	109	0.41	2,640	109	0.41	2,756	109	0.38	3,027	109	0.32	3,614
	151	22.0	L4	151	22.0	L4	151	22.0	-	151	20.2	-
26,000	92	86.8/87.7	15.7	92	89.0/89.9	15.7	93	91.0/92.0	14.4	98	87.1/88.0	10.9
	111	0.4	2,655	111	0.40	2,775	111	0.36	3,057	111	0.31	3,679
	154	22.0	-	154	22.0	-	154	21.6	-	154	19.7	-
27,000	94	86.8/87.7	14.8	94	89.0/89.9	14.8	96	91.0/92.0	13.5	101	87.1/88.0	10.1
	113	0.38	2,811	113	0.38	2,937	113	0.35	3,236	113	0.3	3,876
	157	21.8	-	157	21.8	-	157	21.1	-	157	19.3	-
28,000	97	86.8/87.7	13.9	97	89.0/89.9	13.9	99	91.0/92.0	12.6	103	87.1/88.0	9.4
	115	0.37	2,983	115	0.37	3,120	115	0.34	3,431	115	0.28	4,142
	160	21.3	-	160	21.3	-	160	20.6	-	160	18.9	-
29,000	100	86.8/87.7	13.1	100	89.0/89.9	13.1	101	91.0/92.0	11.8	106	87.1/88.0	8.7
	117	0.35	3,159	117	0.35	3,305	117	0.32	3,636	117	0.27	4,423
	163	20.9	-	163	20.9	-	163	20.2	-	163	18.6	-
30,000	102	86.8/87.7	12.4	102	89.0/89.9	12.4	104	91.0/92.0	11.2	109	87.1/88.0	8.2
	119	0.34	3,312	119	0.34	3,468	119	0.31	3,836	119	0.26	4,694
	166	20.5	-	166	20.5	-	166	19.9	-	166	18.3	-
31,000	105	86.8/87.7	11.5	105	89.0/89.9	11.5	107	91.0/92.0	10.4	112	87.1/88.0	7.5
	121	0.33	3,525	121	0.33	3,691	121	0.3	4,077	121	0.25	5,031
	169	20.1	-	169	20.1	-	169	19.5	-	169	18.0	-
32,000	108	86.8/87.7	10.8	108	89.0/89.9	10.8	110	91.0/92.0	9.8	115	87.1/88.0	7.0
	123	0.31	3,720	123	0.31	3,898	123	0.29	4,320	123	0.24	5,357
	171	19.7	-	171	19.7	-	171	19.2	-	171	17.7	-
33,000	111	86.8/87.7	10.2	111	89.0/89.9	10.2	113	91.0/92.0	9.2	118	87.1/88.0	6.5
	125	0.30	3,925	125	0.30	4,116	125	0.28	4,576	125	0.24	5,700
	174	19.4	-	174	19.4	-	174	18.9	-	174	17.4	-
34,000	114	86.8/87.7	9.6	114	89.0/89.9	9.6	116	91.0/92.0	8.7	121	87.1/88.0	6.0
	127	0.29	4,149	127	0.29	4,357	127	0.27	4,853	127	0.23	6,055
	176	19.1	-	176	19.1	-	176	18.6	-	176	17.2	-
35,000	117	86.8/87.7	9.0	117	89.0/89.9	9.0	119	91.0/92.0	8.1	123	87.1/88.0	5.6
	129	0.28	4,386	129	0.28	4,612	129	0.26	5,145	129	0.22	6,431
	179	18.8	-	179	18.8	-	179	18.3	-	179	17.0	-
36,000	119	86.8/87.7	8.6	119	89.0/89.9	8.6	121	91.0/92.0	7.7	126	87.1/88.0	5.2
	131	0.28	4,631	131	0.28	4,873	131	0.25	5,449	131	0.21	6,823
	181	18.5	-	181	18.5	-	181	18.1	-	181	16.8	-
37,000	122	86.8/87.7	8.1	122	89.0/89.9	8.1	124	91.0/92.0	7.3	129	87.1/88.0	4.8
	132	0.27	4,881	132	0.27	5,136	132	0.25	5,762	132	0.21	7,238
	184	18.3	-	184	18.3	-	184	17.8	-	184	16.6	-
38,000	125	86.8/87.7	7.7	125	89.0/89.9	7.7	126	91.0/92.0	6.9	131	87.1/88.0	4.4
	134	0.26	5,140	134	0.26	5,408	134	0.24	6,084	134	0.20	7,656
	187	18.1	-	187	18.1	-	187	17.6	-	187	16.4	-
39,000	127	86.8/87.7	7.4	127	89.0/89.9	7.4	129	91.0/92.0	6.5	134	87.1/88.0	4.1
	136	0.25	5,410	136	0.25	5,690	136	0.23	6,424	136	0.19	8,090
	189	17.9	-	189	17.9	-	189	17.4	-	189	16.2	-
39,700	128	86.8/87.7	7.1	128	89.0/89.9	7.1	130	91.0/92.0	6.2	135	87.1/88.0	3.9
	137	0.25	5,609	137	0.25	5,897	137	0.23	6,668	137	0.19	8,415
	191	17.8	-	191	17.8	-	191	17.3	-	191	16.1	-

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	SLATS						Cell legend					
A/I OFF							Zp (ft) = 2,000					
TOW (lb)	+0.0 °C			+15.0 °C			+30.0 °C			+45.0 °C		
24,000	91	88.6/89.6	>16	91	90.8/91.8	>16	91	90.9/91.9	14.6	94	86.9/87.8	11.0
	107	0.43	2,743	107	0.42	2,902	107	0.36	3,383	107	0.31	3,957
	148	22.0	L4	148	22.0	L4	148	21.7	L4	148	19.8	-
25,000	91	88.6/89.6	>16	91	90.8/91.8	>16	92	90.9/91.9	13.7	97	86.9/87.8	10.1
	109	0.41	2,762	109	0.4	2,926	109	0.35	3,433	109	0.30	4,074
	151	22.0	L4	151	22.0	L4	151	21.2	-	151	19.3	-
26,000	92	88.6/89.6	15.8	92	90.8/91.8	15.8	95	90.9/91.9	12.7	100	86.9/87.8	9.3
	111	0.40	2,781	111	0.39	2,952	111	0.33	3,485	111	0.28	4,191
	154	22.0	-	154	22.0	-	154	20.7	-	154	18.9	-
27,000	94	88.6/89.6	14.9	95	90.8/91.8	14.9	98	90.9/91.9	11.9	103	86.9/87.8	8.6
	113	0.38	2,943	113	0.37	3,125	113	0.32	3,689	113	0.27	4,432
	157	21.8	-	157	21.8	-	157	20.3	-	157	18.6	-
28,000	97	88.6/89.6	14.0	97	90.8/91.8	14.0	101	90.9/91.9	11.1	106	86.9/87.8	8.0
	115	0.37	3,126	115	0.36	3,315	115	0.31	3,924	115	0.26	4,765
	160	21.4	-	160	21.4	-	160	19.8	-	160	18.2	-
29,000	100	88.6/89.6	13.1	100	90.8/91.8	13.1	104	90.9/91.9	10.4	109	86.9/87.8	7.4
	117	0.35	3,312	117	0.34	3,513	117	0.30	4,177	117	0.25	5,115
	163	20.9	-	163	20.9	-	163	19.5	-	163	17.9	-
30,000	102	88.6/89.6	12.5	103	90.8/91.8	12.5	106	90.9/91.9	9.6	111	86.9/87.8	6.9
	119	0.34	3,476	119	0.33	3,699	119	0.29	4,423	119	0.24	5,437
	166	20.6	-	166	20.6	-	166	19.1	-	166	17.7	-
31,000	105	88.6/89.6	11.6	106	90.8/91.8	11.6	110	90.9/91.9	9.1	115	86.9/87.8	6.3
	121	0.33	3,699	121	0.32	3,933	121	0.28	4,724	121	0.23	5,858
	169	20.1	-	169	20.1	-	169	18.8	-	169	17.4	-
32,000	108	88.6/89.6	10.9	109	90.8/91.8	10.9	112	90.9/91.9	8.5	118	86.9/87.8	5.8
	123	0.31	3,907	123	0.31	4,163	123	0.27	5,020	123	0.22	6,266
	171	19.7	-	171	19.7	-	171	18.5	-	171	17.1	-
33,000	111	88.6/89.6	10.2	111	90.8/91.8	10.2	115	90.9/91.9	8.0	121	86.9/87.8	5.4
	125	0.30	4,126	125	0.30	4,404	125	0.26	5,330	125	0.22	6,683
	174	19.4	-	174	19.4	-	174	18.2	-	174	16.9	-
34,000	114	88.6/89.6	9.6	114	90.8/91.8	9.6	118	90.9/91.9	7.5	124	86.9/87.8	4.9
	127	0.29	4,367	127	0.29	4,668	127	0.25	5,657	127	0.21	7,108
	176	19.1	-	176	19.1	-	176	18.0	-	176	16.6	-
35,000	117	88.6/89.6	9.1	117	90.8/91.8	9.1	121	90.9/91.9	7.0	126	86.9/87.8	4.5
	129	0.28	4,623	129	0.28	4,947	129	0.24	6,008	129	0.20	7,562
	179	18.8	-	179	18.8	-	179	17.7	-	179	16.4	-
36,000	119	88.6/89.6	8.6	120	90.8/91.8	8.6	124	90.9/91.9	6.6	129	86.9/87.8	4.2
	131	0.28	4,885	131	0.27	5,235	131	0.23	6,373	131	0.20	8,026
	181	18.6	-	181	18.6	-	181	17.5	-	181	16.2	-
37,000	122	88.6/89.6	8.2	123	90.8/91.8	8.2	126	90.9/91.9	6.2	132	86.9/87.8	3.8
	132	0.27	5,149	132	0.26	5,528	132	0.23	6,765	132	0.19	8,496
	184	18.3	-	184	18.3	-	184	17.3	-	184	16.1	-
38,000	125	88.6/89.6	7.8	125	90.8/91.8	7.8	129	90.9/91.9	5.8	134	86.9/87.8	3.5
	134	0.26	5,421	134	0.25	5,831	134	0.22	7,160	134	0.18	8,986
	187	18.1	-	187	18.1	-	187	17.1	-	187	15.9	L6
39,000	127	88.6/89.6	7.4	127	90.8/91.8	7.4	131	90.9/91.9	5.4	136	86.9/87.8	3.2
	136	0.25	5,704	136	0.25	6,148	136	0.21	7,569	136	0.18	9,492
	189	17.9	-	189	17.9	-	189	16.9	-	189	15.7	L6
39,700	128	88.6/89.6	7.2	129	90.8/91.8	7.2	133	90.9/91.9	5.1	137	86.9/87.8	3.0
	137	0.25	5,911	137	0.24	6,378	137	0.21	7,872	137	0.17	9,983
	191	17.8	-	191	17.8	-	191	16.7	-	191	15.6	L6

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

FALCON 50EX	PERFORMANCE Take-off	50-10 page 3 Original
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DRY	SLATS						Cell legend		
							V1 (kt)	N1(S/C)	GCLB2 (%)
A/I OFF	Zp (ft) = 4,000						VR = V2 (kt)	Accel. (G)	BFL (ft)
TOW (lb)	+0.0 °C			+15.0 °C			VFT (kt)	Pitch (°)	Constraint
24,000	91	91.1/92.2	>16	91	93.3/94.4	16.0	92	90.5/91.6	12.7
	107	0.43	2,905	107	0.38	3,259	107	0.34	3,782
	148	22.0	L4	148	22.0	0.38	148	20.7	-
25,000	91	91.1/92.2	>16	91	93.3/94.4	22.0	95	90.5/91.6	11.8
	109	0.41	2,929	109	0.37	3,300	109	0.32	3,870
	151	22.0	L4	151	21.9	-	151	20.2	-
26,000	92	91.1/92.2	15.8	94	93.3/94.4	14.0	98	90.5/91.6	10.9
	111	0.39	2,955	111	0.35	3,344	111	0.31	3,959
	154	22.0	-	154	21.4	-	154	19.8	-
27,000	95	91.1/92.2	14.9	97	93.3/94.4	13.1	101	90.5/91.6	10.1
	113	0.38	3,128	113	0.34	3,540	113	0.30	4,154
	157	21.8	-	157	20.9	-	157	19.3	-
28,000	97	91.1/92.2	14.0	99	93.3/94.4	12.2	104	90.5/91.6	9.4
	115	0.36	3,318	115	0.33	3,758	115	0.28	4,463
	160	21.4	-	160	20.4	-	160	19.0	-
29,000	100	91.1/92.2	13.1	102	93.3/94.4	11.5	106	90.5/91.6	8.7
	117	0.35	3,517	117	0.31	3,994	117	0.27	4,785
	163	20.9	-	163	20.0	-	163	18.6	-
30,000	103	91.1/92.2	12.5	105	93.3/94.4	10.9	109	90.5/91.6	8.2
	119	0.33	3,703	119	0.30	4,226	119	0.26	5,089
	166	20.6	-	166	19.7	-	166	18.3	-
31,000	106	91.1/92.2	11.6	108	93.3/94.4	10.1	112	90.5/91.6	7.6
	121	0.32	3,937	121	0.29	4,503	121	0.25	5,478
	169	20.1	-	169	19.3	-	169	18.0	-
32,000	109	91.1/92.2	10.88	111	93.3/94.4	9.46	115	90.5/91.6	7.01
	123	0.31	4,167	123	0.28	4,781	123	0.25	5,851
	171	19.7	-	171	19.0	-	171	17.7	-
33,000	112	91.1/92.2	10.2	114	93.3/94.4	8.9	118	90.5/91.6	6.5
	125	0.30	4,409	125	0.27	5,074	125	0.24	6,241
	174	19.4	-	174	18.7	-	174	17.5	-
34,000	114	91.1/92.2	9.6	117	93.3/94.4	8.4	121	90.5/91.6	6.1
	127	0.29	4,673	127	0.26	5,385	127	0.23	6,639
	176	19.1	-	176	18.4	-	176	17.2	-
35,000	117	91.1/92.2	9.1	119	93.3/94.4	7.9	124	90.5/91.6	5.6
	129	0.28	4,952	129	0.25	5,716	129	0.22	7,053
	179	18.8	-	179	18.2	-	179	17.0	-
36,000	120	91.1/92.2	8.6	122	93.3/94.4	7.4	126	90.5/91.6	5.2
	131	0.27	5,240	131	0.25	6,062	131	0.21	7,483
	181	18.6	-	181	17.9	-	181	16.8	-
37,000	123	91.1/92.2	8.2	125	93.3/94.4	7.0	129	90.5/91.6	4.8
	132	0.26	5,534	132	0.24	6,428	132	0.21	7,925
	184	18.3	-	184	17.7	-	184	16.6	-
38,000	125	91.1/92.2	7.8	127	93.3/94.4	6.6	131	90.5/91.6	4.5
	134	0.26	5,838	134	0.23	6,800	134	0.20	8,377
	187	18.1	-	187	17.5	-	187	16.4	-
39,000	127	91.1/92.2	7.4	130	93.3/94.4	6.2	133	90.5/91.6	4.2
	136	0.25	6,156	136	0.22	7,189	136	0.20	8,847
	189	17.9	-	189	17.3	-	189	16.2	L5
39,700	129	91.1/92.2	7.2	131	93.3/94.4	5.9	131	90.5/91.6	4.0
	137	0.24	6,385	137	0.22	7,473	137	0.19	9,224
	191	17.8	-	191	17.2	-	191	16.1	L5

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

FALCON 50EX	PERFORMANCE Take-off	50-10 page 4 Original
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DRY	SLATS						Cell legend		
							V1 (kt)	N1(S/C)	GCLB2 (%)
A/I OFF	Zp (ft) = 6,000						VR = V2 (kt)	Accel. (G)	BFL (ft)
TOW (lb)	+0.0 °C			+15.0 °C			VFT (kt)	Pitch (°)	Constraint
24,000	91	93.0/94.5	>16	91	93.7/95.0	14.0	94	90.3/91.4	11.1
	107	0.39	3,238	107	0.35	3,642	107	0.31	4,129
	148	22.0	L4	148	21.4	L4	148	19.9	-
25,000	91	93.0/94.5	15.7	93	93.7/95.0	13.0	97	90.3/91.4	10.2
	109	0.38	3,277	109	0.34	3,715	109	0.30	4,294
	151	22.0	L4	151	20.9	-	151	19.4	-
26,000	93	93.0/94.5	14.7	96	93.7/95.0	12.1	100	90.3/91.4	9.5
	111	0.36	3,320	111	0.32	3,787	111	0.28	4,463
	154	21.7	-	154	20.4	-	154	19.0	-
27,000	96	93.0/94.5	13.7	99	93.7/95.0	11.3	103	90.3/91.4	8.7
	113	0.35	3,515	113	0.31	3,978	113	0.27	4,754
	157	21.2	-	157	20.0	-	157	18.6	-
28,000	99	93.0/94.5	12.9	102	93.7/95.0	10.5	106	90.3/91.4	8.1
	115	0.34	3,731	115	0.30	4,262	115	0.26	5,114
	160	20.8	-	160	19.6	-	160	18.3	-
29,000	102	93.0/94.5	12.1	105	93.7/95.0	9.8	108	90.3/91.4	7.5
	117	0.32	3,963	117	0.29	4,559	117	0.25	5,499
	163	20.4	-	163	19.2	-	163	18.0	-
30,000	104	93.0/94.5	11.5	107	93.7/95.0	9.2	111	90.3/91.4	7.0
	119	0.31	4,193	119	0.28	4,844	119	0.24	5,856
	166	20.0	-	166	18.9	-	166	17.7	-
31,000	107	93.0/94.5	10.6	110	93.7/95.0	8.6	114	90.3/91.4	6.4
	121	0.30	4,465	121	0.27	5,203	121	0.23	6,310
	169	19.6	-	169	18.5	-	169	17.4	-
32,000	110	93.0/94.5	10.0	113	93.7/95.0	8.0	117	90.3/91.4	5.9
	123	0.29	4,741	123	0.26	5,548	123	0.22	6,743
	171	19.3	-	171	18.2	-	171	17.2	-
33,000	113	93.0/94.5	9.4	116	93.7/95.0	7.5	120	90.3/91.4	5.5
	125	0.28	5,031	125	0.25	5,910	125	0.22	7,192
	174	19.0	-	174	18.0	-	174	16.9	-
34,000	116	93.0/94.5	8.8	119	93.7/95.0	7.0	123	90.3/91.4	5.0
	127	0.27	5,339	127	0.24	6,283	127	0.21	7,665
	176	18.7	-	176	17.7	-	176	16.7	-
35,000	119	93.0/94.5	8.3	122	93.7/95.0	6.5	126	90.3/91.4	4.6
	129	0.26	5,667	129	0.23	6,673	129	0.20	8,161
	179	18.4	-	179	17.5	-	179	16.5	-
36,000	121	93.0/94.5	7.9	125	93.7/95.0	6.1	129	90.3/91.4	4.2
	131	0.25	6,010	131	0.22	7,079	131	0.19	8,663
	181	18.2	-	181	17.2	-	181	16.3	-
37,000	124	93.0/94.5	7.4	127	93.7/95.0	5.7	131	90.3/91.4	3.9
	132	0.24	6,371	132	0.22	7,504	132	0.19	9,189
	184	17.9	-	184	17.0	-	184	16.1	-
38,000	126	93.0/94.5	7.0	130	93.7/95.0	5.3	130	90.3/91.4	3.6
	134	0.24	6,739	134	0.21	7,934	134	0.18	9,732
	187	17.7	-	187	16.8	-	187	15.9	L5
39,000	129	93.0/94.5	6.7	130	93.7/95.0	5.0	129	90.3/91.4	3.3
	136	0.23	7,125	136	0.20	8,381	136	0.18	10,400
	189	17.5	-	189	16.7	L5	189	15.8	L5
39,700	130	93.0/94.5	6.4	129	93.7/95.0	4.7	128	90.3/91.4	3.1
	137	0.23	7,406	137	0.20	8,718	137	0.17	11,060
	191	17.4	-	191	16.5	L5	191	15.7	L5

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	S + FLAPS 20°						Cell legend					
A/I OFF							Zp (ft) = 0					
							VR = V2 (kt)		Accel. (G)		BFL (ft)	
TOW (lb)	+0.0 °C			+15.0 °C			VFT (kt)		Pitch (°)		Constraint	
							+30.0 °C		+45.0 °C			
24,000	91	86.8/87.7	>16	91	89.0/89.9	>16	91	91.0/92.0	14.9	91	87.1/88.0	11.1
	98	0.43	2,783	98	0.43	2,887	98	0.40	3,105	98	0.34	3,592
	148	20.0	L4	148	20.0	L4	148	20.0	L4	148	18.4	L4
25,000	91	86.8/87.7	15.4	91	89.0/89.9	15.4	91	91.0/92.0	13.8	91	87.1/88.0	10.2
	100	0.41	2,794	100	0.41	2,901	100	0.38	3,125	100	0.32	3,622
	151	20.0	L4	151	20.0	L4	151	19.8	L4	151	17.9	L4
26,000	91	86.8/87.7	14.3	91	89.0/89.9	14.3	91	91.0/92.0	12.8	91	87.1/88.0	9.3
	102	0.39	2,806	102	0.39	2,915	102	0.36	3,143	102	0.31	3,653
	154	20.0	L4	154	20.0	L4	154	19.3	L4	154	17.5	L4
27,000	91	86.8/87.7	13.3	91	89.0/89.9	13.3	91	91.0/92.0	11.8	91	87.1/88.0	8.5
	104	0.38	2,817	104	0.38	2,929	104	0.35	3,161	104	0.29	3,684
	157	19.6	L4	157	19.6	L4	157	18.8	L4	157	17.0	L4
28,000	91	86.8/87.7	12.3	91	89.0/89.9	12.3	91	91.0/92.0	10.9	92	87.1/88.0	7.7
	105	0.36	2,829	105	0.36	2,943	105	0.34	3,181	105	0.28	3,717
	160	19.1	L4	160	19.1	L4	160	18.3	L4	160	16.6	-
29,000	91	86.8/87.7	11.5	91	89.0/89.9	11.4	91	91.0/92.0	10.1	94	87.1/88.0	7.0
	107	0.35	2,840	107	0.35	2,956	107	0.32	3,201	107	0.27	3,750
	163	18.6	L4	163	18.6	L4	163	17.9	L4	163	16.3	-
30,000	91	86.8/87.7	10.7	91	89.0/89.9	10.7	92	91.0/92.0	9.4	97	87.1/88.0	6.4
	109	0.34	2,867	109	0.34	2,985	109	0.31	3,236	109	0.26	3,905
	166	18.2	L4	166	18.2	L4	166	17.5	-	166	16.0	-
31,000	94	86.8/87.7	9.9	94	89.0/89.9	9.9	95	91.0/92.0	8.7	100	87.1/88.0	5.8
	111	0.33	2,999	111	0.33	3,124	111	0.30	3,397	111	0.25	4,151
	169	17.8	-	169	17.8	-	169	17.1	-	169	15.6	-
32,000	97	86.8/87.7	9.3	97	89.0/89.9	9.3	98	91.0/92.0	8.1	102	87.1/88.0	5.3
	113	0.31	3,157	113	0.31	3,291	113	0.29	3,585	113	0.24	4,405
	171	17.5	-	171	17.5	-	171	16.8	-	171	15.4	-
33,000	99	86.8/87.7	8.7	99	89.0/89.9	8.7	101	91.0/92.0	7.5	105	87.1/88.0	4.9
	114	0.3	3,316	114	0.3	3,459	114	0.28	3,777	114	0.24	4,670
	174	17.2	-	174	17.2	-	174	16.5	-	174	15.1	-
34,000	102	86.8/87.7	8.2	102	89.0/89.9	8.1	103	91.0/92.0	7.0	108	87.1/88.0	4.4
	116	0.29	3,490	116	0.29	3,642	116	0.27	3,985	116	0.23	4,947
	176	16.9	-	176	16.9	-	176	16.3	-	176	14.9	-
35,000	104	86.8/87.7	7.6	104	89.0/89.9	7.6	106	91.0/92.0	6.5	110	87.1/88.0	4.0
	117	0.28	3,671	117	0.28	3,833	117	0.26	4,201	117	0.22	5,239
	179	16.6	-	179	16.6	-	179	16.0	-	179	14.7	-
36,000	106	86.8/87.7	7.1	106	89.0/89.9	7.1	108	91.0/92.0	6.0	113	87.1/88.0	3.6
	119	0.27	3,862	119	0.27	4,033	119	0.25	4,423	119	0.21	5,545
	181	16.3	-	181	16.3	-	181	15.7	-	181	14.5	-
37,000	109	86.8/87.7	6.6	109	89.0/89.9	6.6	110	91.0/92.0	5.6	115	87.1/88.0	3.2
	121	0.27	4,063	121	0.27	4,242	121	0.25	4,663	121	0.21	5,861
	184	16.1	-	184	16.1	-	184	15.5	-	184	14.3	-
38,000	111	86.8/87.7	6.2	111	89.0/89.9	6.1	112	91.0/92.0	5.1	116	87.1/88.0	2.9
	123	0.26	4,274	123	0.26	4,460	123	0.24	4,911	123	0.2	6,190
	187	15.8	-	187	15.8	-	187	15.3	-	187	14.1	-
39,000	113	86.8/87.7	5.7	113	89.0/89.9	5.7	115	91.0/92.0	4.7	-	-	-
	124	0.25	4,497	124	0.25	4,691	124	0.23	5,178	-	-	-
	189	15.6	-	189	15.6	-	189	15.0	-	-	-	-
39,700	114	86.8/87.7	5.4	114	89.0/89.9	5.4	116	91.0/92.0	4.4	-	-	-
	125	0.25	4,667	125	0.25	4,868	125	0.23	5,381	-	-	-
	191	15.4	-	191	15.4	-	191	14.9	-	-	-	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	S + FLAPS 20°						Cell legend					
A/I OFF							Zp (ft) = 2,000					
	VR = V2 (kt)		Accel. (G)		BFL (ft)							
TOW (lb)	+0.0 °C			+15.0 °C			VFT (kt)		Pitch (°)		Constraint	
							+30.0 °C		+45.0 °C			
24,000	91	88.6/89.6	>16	91	90.8/91.8	>16	91	90.9/91.9	13.0	91	86.9/87.8	9.5
	98	0.43	2,934	98	0.42	3,066	98	0.36	3,456	98	0.31	3,966
	148	20.0	L4	148	20.0	L4	148	19.4	L4	148	17.6	L4
25,000	91	88.6/89.6	15.5	91	90.8/91.8	15.2	91	90.9/91.9	11.9	91	86.9/87.8	8.6
	100	0.41	2,949	100	0.40	3,084	100	0.35	3,484	100	0.3	3,999
	151	20.0	L4	151	20.0	L4	151	18.9	L4	151	17.1	L4
26,000	91	88.6/89.6	14.4	91	90.8/91.8	14.1	91	90.9/91.9	11.0	91	86.9/87.8	7.8
	102	0.39	2,964	102	0.39	3,102	102	0.33	3,511	102	0.28	4,032
	154	20.0	L4	154	20.0	L4	154	18.3	L4	154	16.7	L4
27,000	91	88.6/89.6	13.4	91	90.8/91.8	13.1	91	90.9/91.9	10.1	92	86.9/87.8	7.0
	104	0.38	2,979	104	0.37	3,119	104	0.32	3,538	104	0.27	4,065
	157	19.6	L4	157	19.5	L4	157	17.9	L4	157	16.3	-
28,000	91	88.6/89.6	12.4	91	90.8/91.8	12.2	91	90.9/91.9	9.3	94	86.9/87.8	6.4
	105	0.36	2,994	105	0.36	3,138	105	0.31	3,567	105	0.26	4,097
	160	19.1	L4	160	19.0	L4	160	17.5	L4	160	15.9	-
29,000	91	88.6/89.6	11.5	91	90.8/91.8	11.3	92	90.9/91.9	8.5	96	86.9/87.8	5.7
	107	0.35	3,009	107	0.34	3,157	107	0.30	3,597	107	0.25	4,160
	163	18.6	L4	163	18.5	L4	163	17.1	-	163	15.6	-
30,000	91	88.6/89.6	10.8	91	90.8/91.8	10.6	94	90.9/91.9	7.9	99	86.9/87.8	5.2
	109	0.34	3,038	109	0.33	3,190	109	0.29	3,692	109	0.24	4,478
	166	18.3	L4	166	18.1	-	166	16.7	-	166	15.3	-
31,000	94	88.6/89.6	10.0	94	90.8/91.8	9.8	97	90.9/91.9	7.2	102	86.9/87.8	4.6
	111	0.33	3,182	111	0.32	3,347	111	0.28	3,907	111	0.23	4,803
	169	17.8	-	169	17.7	-	169	16.4	-	169	15.0	-
32,000	97	88.6/89.6	9.4	97	90.8/91.8	9.2	100	90.9/91.9	6.7	105	86.9/87.8	4.2
	113	0.31	3,354	113	0.31	3,532	113	0.27	4,137	113	0.22	5,135
	171	17.5	-	171	17.4	-	171	16.1	-	171	14.8	-
33,000	99	88.6/89.6	8.8	99	90.8/91.8	8.6	103	90.9/91.9	6.2	108	86.9/87.8	3.8
	114	0.30	3,527	114	0.30	3,719	114	0.26	4,377	114	0.22	5,472
	174	17.2	-	174	17.1	-	174	15.8	-	174	14.6	-
34,000	102	88.6/89.6	8.2	102	90.8/91.8	8.0	105	90.9/91.9	5.7	110	86.9/87.8	3.3
	116	0.29	3,715	116	0.29	3,923	116	0.25	4,632	116	0.21	5,819
	176	16.9	-	176	16.8	-	176	15.6	-	176	14.3	-
35,000	104	88.6/89.6	7.7	104	90.8/91.8	7.5	108	90.9/91.9	5.2	114	86.9/87.8	3.0
	117	0.28	3,911	117	0.28	4,134	117	0.24	4,897	117	0.20	6,172
	179	16.6	-	179	16.5	-	179	15.3	-	179	14.1	-
36,000	106	88.6/89.6	7.2	107	90.8/91.8	7.0	110	90.9/91.9	4.8	-	-	-
	119	0.27	4,115	119	0.27	4,352	119	0.23	5,173	-	-	-
	181	16.4	-	181	16.3	-	181	15.1	-	-	-	-
37,000	109	88.6/89.6	6.7	109	90.8/91.8	6.5	113	90.9/91.9	4.4	-	-	-
	121	0.27	4,330	121	0.26	4,586	121	0.22	5,466	-	-	-
	184	16.1	-	184	16.0	-	184	14.9	-	-	-	-
38,000	111	88.6/89.6	6.2	111	90.8/91.8	6.0	115	90.9/91.9	4.0	-	-	-
	123	0.26	4,554	123	0.25	4,828	123	0.22	5,769	-	-	-
	187	15.8	-	187	15.7	-	187	14.7	-	-	-	-
39,000	113	88.6/89.6	5.8	113	90.8/91.8	5.6	117	90.9/91.9	3.6	-	-	-
	124	0.25	4,791	124	0.25	5,089	124	0.21	6,094	-	-	-
	189	15.6	-	189	15.5	-	189	14.5	-	-	-	-
39,700	114	88.6/89.6	5.5	115	90.8/91.8	5.3	118	90.9/91.9	3.3	-	-	-
	125	0.25	4,974	125	0.24	5,287	125	0.21	6,335	-	-	-
	191	15.5	-	191	15.4	-	191	14.3	-	-	-	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	S + FLAPS 20°						Cell legend		
							V1 (kt)	N1(S/C)	GCLB2 (%)
A/I OFF	Zp (ft) = 4,000						VR = V2 (kt)	Accel. (G)	BFL (ft)
							VFT (kt)	Pitch (°)	Constraint
TOW (lb)	+0.0 °C			+15.0 °C			+30.0 °C		
24,000	91	91.1/92.2	>16	91	93.3/94.4	14.4	91	90.5/91.6	11.2
	98	0.42	3,086	98	0.39	3,373	98	0.34	3,799
	148	20.0	L4	148	20.0	L4	148	18.5	L4
25,000	91	91.1/92.2	15.3	91	93.3/94.4	13.4	91	90.5/91.6	10.2
	100	0.41	3,105	100	0.37	3,399	100	0.32	3,832
	151	20.0	L4	151	19.6	L4	151	18.0	L4
26,000	91	91.1/92.2	14.2	91	93.3/94.4	12.3	91	90.5/91.6	9.3
	102	0.39	3,123	102	0.35	3,423	102	0.31	3,864
	154	20.0	L4	154	19.1	L4	154	17.5	L4
27,000	91	91.1/92.2	13.2	91	93.3/94.4	11.4	91	90.5/91.6	8.5
	104	0.38	3,141	104	0.34	3,447	104	0.30	3,897
	157	19.5	L4	157	18.6	L4	157	17.1	L4
28,000	91	91.1/92.2	12.2	91	93.3/94.4	10.5	92	90.5/91.6	7.7
	105	0.36	3,161	105	0.33	3,475	105	0.29	3,930
	160	19.0	L4	160	18.1	L4	160	16.7	-
29,000	91	91.1/92.2	11.4	91	93.3/94.4	9.7	94	90.5/91.6	7.1
	107	0.35	3,180	107	0.32	3,503	107	0.27	3,978
	163	18.6	L4	163	17.7	-	163	16.3	-
30,000	91	91.1/92.2	10.6	93	93.3/94.4	9.0	97	90.5/91.6	6.4
	109	0.33	3,214	109	0.30	3,560	109	0.26	4,224
	166	18.2	L4	166	17.3	-	166	16.0	-
31,000	94	91.1/92.2	9.8	96	93.3/94.4	8.3	100	90.5/91.6	5.9
	111	0.32	3,373	111	0.29	3,755	111	0.25	4,515
	169	17.8	-	169	16.9	-	169	15.7	-
32,000	97	91.1/92.2	9.2	99	93.3/94.4	7.7	103	90.5/91.6	5.4
	113	0.31	3,560	113	0.28	3,972	113	0.25	4,811
	171	17.4	-	171	16.6	-	171	15.4	-
33,000	99	91.1/92.2	8.6	101	93.3/94.4	7.2	105	90.5/91.6	4.9
	114	0.30	3,749	114	0.27	4,195	114	0.24	5,115
	174	17.1	-	174	16.4	-	174	15.2	-
34,000	102	91.1/92.2	8.1	104	93.3/94.4	6.7	108	90.5/91.6	4.5
	116	0.29	3,955	116	0.26	4,437	116	0.23	5,431
	176	16.8	-	176	16.1	-	176	14.9	-
35,000	104	91.1/92.2	7.5	106	93.3/94.4	6.2	111	90.5/91.6	4.0
	117	0.28	4,168	117	0.26	4,686	117	0.22	5,757
	179	16.5	-	179	15.8	-	179	14.7	-
36,000	106	91.1/92.2	7.0	109	93.3/94.4	5.7	113	90.5/91.6	3.6
	119	0.27	4,389	119	0.25	4,943	119	0.21	6,100
	181	16.3	-	181	15.6	-	181	14.5	-
37,000	109	91.1/92.2	6.5	111	93.3/94.4	5.3	115	90.5/91.6	3.3
	121	0.26	4,626	121	0.24	5,221	121	0.21	6,448
	184	16.0	-	184	15.4	-	184	14.3	-
38,000	111	91.1/92.2	6.1	113	93.3/94.4	4.9	117	90.5/91.6	2.9
	123	0.26	4,871	123	0.23	5,508	123	0.20	6,812
	187	15.8	-	187	15.1	-	187	14.1	-
39,000	113	91.1/92.2	5.6	115	93.3/94.4	4.4	-	-	-
	124	0.25	5,136	124	0.22	5,822	-	-	-
	189	15.5	-	189	14.9	-	-	-	-
39,700	114	91.1/92.2	5.3	117	93.3/94.4	4.2	-	-	-
	125	0.24	5,336	125	0.22	6,056	-	-	-
	191	15.4	-	191	14.8	-	-	-	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

FALCON 50EX	PERFORMANCE Take-off	50-11 page 4 Original
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DRY	S + FLAPS 20°						Cell legend		
							V1 (kt)	N1(S/C)	GCLB2 (%)
A/I OFF	Zp (ft) = 6,000						VR = V2 (kt)	Accel. (G)	BFL (ft)
TOW (lb)	+0.0 °C			+15.0 °C			VFT (kt)	Pitch (°)	Constraint
24,000	91	93.0/94.5	15.0	91	93.7/95.0	12.4	91	90.3/91.4	9.5
	98	0.4	3,381	98	0.35	3,728	98	0.31	4,306
	148	20.0	L4	148	19.1	L4	148	17.6	L4
25,000	91	93.0/94.5	13.9	91	93.7/95.0	11.4	91	90.3/91.4	8.6
	100	0.38	3,407	100	0.34	3,760	100	0.30	4,347
	151	19.9	L4	151	18.6	L4	151	17.1	L4
26,000	91	93.0/94.5	12.8	91	93.7/95.0	10.5	91	90.3/91.4	7.8
	102	0.36	3,431	102	0.32	3,792	102	0.28	4,389
	154	19.3	L4	154	18.1	L4	154	16.7	L4
27,000	91	93.0/94.5	12.0	91	93.7/95.0	9.6	92	90.3/91.4	7.0
	104	0.35	3,455	104	0.31	3,825	104	0.27	4,432
	157	18.9	L4	157	17.6	L4	157	16.3	-
28,000	91	93.0/94.5	11.1	91	93.7/95.0	8.8	94	90.3/91.4	6.3
	105	0.34	3,484	105	0.3	3,859	105	0.26	4,477
	160	18.4	L4	160	17.2	L4	160	15.9	-
29,000	91	93.0/94.5	10.2	93	93.7/95.0	8.1	97	90.3/91.4	5.7
	107	0.32	3,512	107	0.29	3,900	107	0.25	4,638
	163	18.0	L4	163	16.8	-	163	15.6	-
30,000	92	93.0/94.5	9.4	95	93.7/95.0	7.4	99	90.3/91.4	5.1
	109	0.31	3,573	109	0.28	4,116	109	0.24	4,986
	166	17.5	-	166	16.5	-	166	15.3	-
31,000	95	93.0/94.5	8.8	98	93.7/95.0	6.8	102	90.3/91.4	4.6
	111	0.30	3,769	111	0.27	4,391	111	0.23	5,366
	169	17.2	-	169	16.2	-	169	15.0	-
32,000	97	93.0/94.5	8.0	101	93.7/95.0	6.3	105	90.3/91.4	4.2
	113	0.29	3,987	113	0.26	4,672	113	0.22	5,742
	171	16.8	-	171	15.9	-	171	14.8	-
33,000	100	93.0/94.5	7.5	104	93.7/95.0	5.8	108	90.3/91.4	3.7
	114	0.28	4,212	114	0.25	4,962	114	0.22	6,135
	174	16.5	-	174	15.6	-	174	14.5	-
34,000	102	93.0/94.5	7.1	106	93.7/95.0	5.3	110	90.3/91.4	3.3
	116	0.27	4,455	116	0.24	5,264	116	0.21	6,536
	176	16.3	-	176	15.4	-	176	14.3	-
35,000	105	93.0/94.5	6.6	109	93.7/95.0	4.9	113	90.3/91.4	2.9
	117	0.26	4,706	117	0.23	5,579	117	0.20	6,947
	179	16.0	-	179	15.2	-	179	14.1	-
36,000	107	93.0/94.5	6.1	111	93.7/95.0	4.5	-	-	-
	119	0.25	4,964	119	0.22	5,911	-	-	-
	181	15.8	-	181	14.9	-	-	-	-
37,000	110	93.0/94.5	5.7	114	93.7/95.0	4.1	-	-	-
	121	0.24	5,244	121	0.22	6,249	-	-	-
	184	15.6	-	184	14.7	-	-	-	-
38,000	112	93.0/94.5	5.2	116	93.7/95.0	3.7	-	-	-
	123	0.24	5,532	123	0.21	6,601	-	-	-
	187	15.3	-	187	14.5	-	-	-	-
39,000	114	93.0/94.5	4.8	118	93.7/95.0	3.3	-	-	-
	124	0.23	5,847	124	0.20	6,966	-	-	-
	189	15.1	-	189	14.3	-	-	-	-
39,700	115	93.0/94.5	4.5	118	93.7/95.0	3.0	-	-	-
	125	0.23	6,082	125	0.20	7,233	-	-	-
	191	14.9	-	191	14.2	-	-	-	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	SLATS						Cell legend					
A/I ON							Zp (ft) = 0					
	VR = V2 (kt)		Accel. (G)		BFL (ft)							
TOW (lb)							VFT (kt)		Pitch (°)		Constraint	
	-30.0 °C			-15.0 °C			+0.0 °C		+10.0 °C			
24,000	91	82.0/82.9	>16	91	84.4/85.3	>16	91	86.7/87.7	>16	91	88.3/89.2	>16
	107	0.40	2,429	107	0.40	2,542	107	0.40	2,658	107	0.40	2,736
	148	22.0	L4	148	22.0	L4	148	22.0	-	148	22.0	-
25,000	91	82.0/82.9	15.7	91	84.4/85.3	15.7	91	86.7/87.7	15.8	91	88.3/89.2	15.9
	109	0.39	2,437	109	0.39	2,554	109	0.39	2,674	109	0.39	2,754
	151	22.0	L4	151	22.0	L4	151	22.0	-	151	22.0	-
26,000	93	82.0/82.9	14.7	93	84.4/85.3	14.7	93	86.7/87.7	14.8	93	88.3/89.2	14.9
	111	0.37	2,444	111	0.37	2,565	111	0.37	2,689	111	0.37	2,773
	154	21.7	-	154	21.8	-	154	21.8	-	154	21.8	-
27,000	95	82.0/82.9	13.8	95	84.4/85.3	13.8	95	86.7/87.7	13.9	95	88.3/89.2	13.9
	113	0.36	2,590	113	0.36	2,717	113	0.36	2,847	113	0.36	2,935
	157	21.3	-	157	21.3	-	157	21.3	-	157	21.3	-
28,000	98	82.0/82.9	12.9	98	84.4/85.3	12.9	98	86.7/87.7	13.0	98	88.3/89.2	13.1
	115	0.34	2,744	115	0.34	2,881	115	0.34	3,022	115	0.34	3,117
	160	20.8	-	160	20.8	-	160	20.8	-	160	20.9	-
29,000	100	82.0/82.9	12.1	100	84.4/85.3	12.1	100	86.7/87.7	12.2	100	88.3/89.2	12.3
	117	0.33	2,904	117	0.33	3,050	117	0.33	3,201	117	0.33	3,303
	163	20.4	-	163	20.4	-	163	20.4	-	163	20.5	-
30,000	103	82.0/82.9	11.5	103	84.4/85.3	11.5	103	86.7/87.7	11.6	103	88.3/89.2	11.7
	119	0.32	3,039	119	0.32	3,196	119	0.32	3,357	119	0.32	3,466
	166	20.1	-	166	20.1	-	166	20.1	-	166	20.1	-
31,000	106	82.0/82.9	10.7	106	84.4/85.3	10.7	106	86.7/87.7	10.7	106	88.3/89.2	10.8
	121	0.31	3,236	121	0.31	3,403	121	0.31	3,573	121	0.31	3,688
	169	19.6	-	169	19.6	-	169	19.7	-	169	19.7	-
32,000	109	82.0/82.9	10.0	109	84.4/85.3	10.1	109	86.7/87.7	10.1	109	88.3/89.2	10.2
	123	0.30	3,409	123	0.30	3,588	123	0.30	3,772	123	0.30	3,895
	171	19.3	-	171	19.3	-	171	19.3	-	171	19.4	-
33,000	112	82.0/82.9	9.4	112	84.4/85.3	9.4	112	86.7/87.7	9.5	112	88.3/89.2	9.5
	125	0.29	3,591	125	0.29	3,783	125	0.29	3,980	125	0.29	4,113
	174	19.0	-	174	19.0	-	174	19.0	-	174	19.0	-
34,000	115	82.0/82.9	8.9	115	84.4/85.3	8.9	115	86.7/87.7	8.9	115	88.3/89.2	9.0
	127	0.28	3,786	127	0.28	3,995	127	0.28	4,209	127	0.28	4,354
	176	18.7	-	176	18.7	-	176	19	-	176	18.8	-
35,000	117	82.0/82.9	8.4	117	84.4/85.3	8.4	117	86.7/87.7	8.4	117	88.3/89.2	8.5
	129	0.27	3,990	129	0.27	4,218	129	0.27	4,451	129	0.27	4,609
	179	18.4	-	179	18.4	-	179	18.5	-	179	18.5	-
36,000	119	82.0/82.9	7.9	119	84.4/85.3	7.91	119	86.7/87.7	8.0	119	88.3/89.2	8.0
	131	0.26	4,207	131	0.26	4,451	131	0.26	4,701	131	0.26	4,869
	181	18.2	-	181	18.2	-	181	18.2	-	181	18.2	-
37,000	123	82.0/82.9	7.5	123	84.4/85.3	7.5	123	86.7/87.7	7.5	123	88.3/89.2	7.6
	132	0.25	4,434	132	0.25	4,691	132	0.25	4,955	132	0.25	5,132
	184	18.0	-	184	18.0	-	184	18.0	-	184	18.0	-
38,000	125	82.0/82.9	7.1	125	84.4/85.3	7.1	125	86.7/87.7	7.1	125	88.3/89.2	7.2
	134	0.24	4,673	134	0.24	4,942	134	0.24	5,218	134	0.24	5,404
	187	17.8	-	187	17.8	-	187	17.8	-	187	17.8	-
39,000	128	82.0/82.9	6.7	128	84.4/85.3	6.7	128	86.7/87.7	6.7	128	88.3/89.2	6.8
	136	0.24	4,921	136	0.24	5,202	136	0.24	5,491	136	0.24	5,686
	189	17.6	-	189	17.6	-	189	17.6	-	189	17.6	-
39,700	129	82.0/82.9	6.5	129	84.4/85.3	6.5	129	86.7/87.7	6.5	129	88.3/89.2	6.6
	137	0.23	5,105	137	0.23	5,395	137	0.23	5,692	137	0.23	5,892
	191	17.4	-	191	17.4	-	191	17.5	-	191	17.5	-

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	SLATS						Cell legend					
A/I ON							Zp (ft) = 2,000					
TOW (lb)	-30.0 °C			-15.0 °C			VR = V2 (kt)		Accel. (G)		BFL (ft)	
							VFT (kt)		Pitch (°)		Constraint	
	+0.0 °C										+10.0 °C	
24,000	91	83.8/84.7	>16	91	86.3/87.2	>16	91	88.6/89.6	>16	91	90.2/91.2	>16
	107	0.40	2,567	107	0.40	2,671	107	0.40	2,782	107	0.40	2,935
	148	22.0	L4	148	22.0	L4	148	22.0	L4	148	22.0	L4
25,000	91	83.8/84.7	15.8	91	86.3/87.2	15.8	91	88.6/89.6	15.9	91	90.2/91.2	15.7
	109	0.39	2,580	109	0.39	2,687	109	0.39	2,802	109	0.39	2,960
	151	22.0	L4	151	22.0	L4	151	22.0	L4	151	22.0	L4
26,000	93	83.8/84.7	14.8	93	86.3/87.2	14.8	93	88.6/89.6	14.88	93	90.2/91.2	14.7
	111	0.37	2,592	111	0.37	2,704	111	0.37	2,823	111	0.37	2,988
	154	21.8	-	154	21.8	-	154	21.8	-	154	21.7	-
27,000	95	83.8/84.7	13.9	95	86.3/87.2	13.9	95	88.6/89.6	13.94	95	90.2/91.2	13.7
	113	0.36	2,745	113	0.36	2,862	113	0.36	2,988	113	0.36	3,163
	157	21.3	-	157	21.3	-	157	21.3	-	157	21.2	-
28,000	98	83.8/84.7	13.0	98	86.3/87.2	13.0	98	88.6/89.6	13.07	98	90.2/91.2	12.86
	115	0.34	2,912	115	0.34	3,038	115	0.34	3,173	115	0.34	3,355
	160	20.9	-	160	20.9	-	160	20.9	-	160	20.8	-
29,000	100	83.8/84.7	12.2	100	86.3/87.2	12.2	100	88.6/89.6	12.27	100	90.2/91.2	12.1
	117	0.33	3,083	117	0.33	3,218	117	0.33	3,362	117	0.33	3,555
	163	20.4	-	163	20.4	-	163	20.5	-	163	20.4	-
30,000	103	83.8/84.7	11.6	103	86.3/87.2	11.6	103	88.6/89.6	11.65	103	90.2/91.2	11.5
	119	0.32	3,231	119	0.32	3,375	119	0.32	3,530	119	0.32	3,746
	166	20.1	-	166	20.1	-	166	20.1	-	166	20.0	-
31,000	106	83.8/84.7	10.8	106	86.3/87.2	10.8	106	88.6/89.6	10.81	106	90.2/91.2	10.6
	121	0.31	3,440	121	0.31	3,593	121	0.31	3,756	121	0.31	3,982
	169	19.7	-	169	19.7	-	169	19.7	-	169	19.6	-
32,000	109	83.8/84.7	10.1	109	86.3/87.2	10.1	109	88.6/89.6	10.16	109	90.2/91.2	10.0
	123	0.30	3,628	123	0.30	3,792	123	0.30	3,969	123	0.30	4,216
	171	19.3	-	171	19.3	-	171	19.4	-	171	19.3	-
33,000	112	83.8/84.7	9.5	112	86.3/87.2	9.5	112	88.6/89.6	9.55	112	90.2/91.2	9.4
	125	0.29	3,826	125	0.29	4,003	125	0.29	4,193	125	0.29	4,463
	174	19.0	-	174	19.0	-	174	19.0	-	174	19.0	-
34,000	115	83.8/84.7	8.94	115	86.3/87.2	8.95	115	88.6/89.6	8.99	115	90.2/91.2	8.8
	127	0.28	4,041	127	0.28	4,234	127	0.28	4,440	127	0.28	4,731
	176	18.7	-	176	18.7	-	176	18.8	-	176	18.7	-
35,000	117	83.8/84.7	8.43	117	86.3/87.2	8.44	117	88.6/89.6	8.47	117	90.2/91.2	8.3
	129	0.27	4,268	129	0.27	4,478	129	0.27	4,702	129	0.27	5,014
	179	18.5	-	179	18.5	-	179	18.5	-	179	18.4	-
36,000	119	83.8/84.7	7.96	119	86.3/87.2	7.97	119	88.6/89.6	8	119	90.2/91.2	7.9
	131	0.26	4,505	131	0.26	4,729	131	0.26	4,970	131	0.26	5,308
	181	18.2	-	181	18.2	-	181	18.2	-	181	18.2	-
37,000	123	83.8/84.7	7.54	123	86.3/87.2	7.54	123	88.6/89.6	7.58	123	90.2/91.2	7.4
	132	0.25	4,748	132	0.25	4,985	132	0.25	5,241	132	0.25	5,608
	184	18.0	-	184	18.0	-	184	18.0	-	184	17.9	-
38,000	125	83.8/84.7	7.13	125	86.3/87.2	7.14	125	88.6/89.6	7.18	125	90.2/91.2	7.0
	134	0.24	5,001	134	0.24	5,249	134	0.24	5,519	134	0.24	5,917
	187	17.8	-	187	17.8	-	187	17.8	-	187	17.7	-
39,000	128	83.8/84.7	6.76	128	86.3/87.2	6.77	128	88.6/89.6	6.8	128	90.2/91.2	6.7
	136	0.24	5,265	136	0.24	5,524	136	0.24	5,809	136	0.24	6,242
	189	17.6	-	189	17.6	-	189	17.6	-	189	17.5	-
39,700	129	83.8/84.7	6.51	129	86.3/87.2	6.52	129	88.6/89.6	6.55	129	90.2/91.2	6.4
	137	0.23	5,459	137	0.23	5,726	137	0.23	6,020	137	0.23	6,477
	191	17.5	-	191	17.5	-	191	17.5	-	191	17.4	-

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	SLATS						Cell legend					
A/I ON							Zp (ft) = 4,000					
TOW (lb)	-30.0 °C			-15.0 °C			+0.0 °C			+10.0 °C		
24,000	91	86.1/87.1	>16	91	88.7/89.7	-	91	91.1/92.2	-	91	92.6/93.8	14.1
	107	0.39	2,736	107	0.39	2,870	107	0.39	3,010	107	0.36	3,359
	148	22.0	L4	148	22.0	L4	148	22.0	L4	148	21.4	L4
25,000	91	86.1/87.1	15.6	91	88.7/89.7	15.6	91	91.1/92.2	15.6	92	92.6/93.8	13.2
	109	0.37	2,755	109	0.37	2,893	109	0.37	3,037	109	0.35	3,408
	151	22.0	L4	151	22.0	L4	151	22.0	L4	151	20.9	-
26,000	92	86.1/87.1	14.6	92	88.7/89.7	14.6	92	91.1/92.2	14.6	93	92.6/93.8	12.3
	111	0.36	2,774	111	0.36	2,918	111	0.36	3,069	111	0.33	3,458
	154	21.7	-	154	21.7	-	154	21.7	-	154	20.5	-
27,000	95	86.1/87.1	13.7	95	88.7/89.7	13.7	95	91.1/92.2	13.7	96	92.6/93.8	11.4
	113	0.34	2,936	113	0.34	3,088	113	0.34	3,248	113	0.32	3,660
	157	21.2	-	157	21.2	-	157	21.2	-	157	20.0	-
28,000	98	86.1/87.1	12.8	98	88.7/89.7	12.8	98	91.1/92.2	12.8	99	92.6/93.8	10.7
	115	0.33	3,118	115	0.33	3,278	115	0.33	3,443	115	0.31	3,893
	160	20.8	-	160	20.8	-	160	20.8	-	160	19.6	-
29,000	101	86.1/87.1	12.0	101	88.7/89.7	12.0	101	91.1/92.2	12.0	102	92.6/93.8	9.9
	117	0.32	3,304	117	0.32	3,473	117	0.32	3,650	117	0.30	4,142
	163	20.3	-	163	20.3	-	163	20.3	-	163	19.3	-
30,000	103	86.1/87.1	11.4	103	88.7/89.7	11.4	103	91.1/92.2	11.43	104	92.6/93.8	9.2
	119	0.30	3,467	119	0.30	3,655	119	0.30	3,851	119	0.29	4,386
	166	20.0	-	166	20.0	-	166	20.0	-	166	18.9	-
31,000	106	86.1/87.1	10.6	106	88.7/89.7	10.6	106	91.1/92.2	10.6	107	92.6/93.8	8.7
	121	0.29	3,689	121	0.29	3,887	121	0.29	4,093	121	0.28	4,682
	169	19.6	-	169	19.6	-	169	19.6	-	169	18.6	-
32,000	109	86.1/87.1	10.0	109	88.7/89.7	10.0	109	91.1/92.2	10.0	110	92.6/93.8	8.1
	123	0.28	3,897	123	0.28	4,112	123	0.28	4,337	123	0.27	4,974
	171	19.3	-	171	19.3	-	171	19.3	-	171	18.3	-
33,000	112	86.1/87.1	9.4	112	88.7/89.7	9.4	112	91.1/92.2	9.4	113	92.6/93.8	7.6
	125	0.27	4,115	125	0.27	4,349	125	0.27	4,594	125	0.26	5,281
	174	18.9	-	174	19.0	-	174	19.0	-	174	18.0	-
34,000	115	86.1/87.1	8.8	115	88.7/89.7	8.8	115	91.1/92.2	8.8	116	92.6/93.8	7.1
	127	0.26	4,355	127	0.26	4,608	127	0.26	4,873	127	0.25	5,605
	176	18.7	-	176	18.7	-	176	18.7	-	176	17.8	-
35,000	118	86.1/87.1	8.3	118	88.7/89.7	8.3	118	91.1/92.2	8.3	119	92.6/93.8	6.6
	129	0.26	4,610	129	0.26	4,882	129	0.26	5,167	129	0.24	5,952
	179	18.4	-	179	18.4	-	179	18.4	-	179	17.5	-
36,000	120	86.1/87.1	7.8	120	88.7/89.7	7.8	120	91.1/92.2	7.8	121	92.6/93.8	6.2
	131	0.25	4,871	131	0.25	5,165	131	0.25	5,472	131	0.23	6,314
	181	18.2	-	181	18.2	-	181	18.2	-	181	17.3	-
37,000	123	86.1/87.1	7.4	123	88.7/89.7	7.4	123	91.1/92.2	7.4	124	92.6/93.8	5.8
	132	0.24	5,134	132	0.24	5,452	132	0.24	5,787	132	0.23	6,701
	184	17.9	-	184	17.9	-	184	17.9	-	184	17.1	-
38,000	126	86.1/87.1	7.0	126	88.7/89.7	7.0	126	91.1/92.2	7.0	127	92.6/93.8	5.4
	134	0.23	5,405	134	0.23	5,748	134	0.23	6,112	134	0.22	7,091
	187	17.7	-	187	17.7	-	187	17.7	-	187	16.9	-
39,000	128	86.1/87.1	6.6	128	88.7/89.7	6.6	128	91.1/92.2	6.6	129	92.6/93.8	5.1
	136	0.23	5,688	136	0.23	6,059	136	0.23	6,454	136	0.21	7,496
	189	17.5	-	189	17.5	-	189	17.5	-	189	16.7	-
39,700	129	86.1/87.1	6.4	129	88.7/89.7	6.4	129	91.1/92.2	6.4	130	92.6/93.8	4.8
	137	0.22	5,894	137	0.22	6,283	137	0.22	6,700	137	0.21	7,796
	191	17.4	-	191	17.4	-	191	17.4	-	191	16.6	-

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	SLATS						Cell legend					
A/I ON							Zp (ft) = 6,000					
							VR = V2 (kt)		Accel. (G)		BFL (ft)	
TOW (lb)	-30.0 °C			-15.0 °C			VFT (kt)		Pitch (°)		Constraint	
							+0.0 °C		+10.0 °C			
24,000	91	88.6/90.1	>16	91	90.5/91.9	>16	91	93.0/94.5	14.1	92	94.1/95.7	12.2
	107	0.38	2,935	107	0.38	3,105	107	0.36	3,436	107	0.33	3,810
	148	22.0	L4	148	22.0	L4	148	21.4	L4	148	20.4	-
25,000	92	88.6/90.1	15.3	92	90.5/91.9	15.3	93	93.0/94.5	13.1	94	94.1/95.7	11.3
	109	0.36	2,960	109	0.36	3,135	109	0.34	3,491	109	0.32	3,904
	151	22.0	-	151	22.0	-	151	20.9	-	151	20.0	-
26,000	94	88.6/90.1	14.3	94	90.5/91.9	14.2	95	93.0/94.5	12.2	96	94.1/95.7	10.5
	111	0.35	2,988	111	0.35	3,171	111	0.33	3,545	111	0.30	3,997
	154	21.5	-	154	21.5	-	154	20.4	-	154	19.5	-
27,000	96	88.6/90.1	13.3	96	90.5/91.9	13.3	98	93.0/94.5	11.4	99	94.1/95.7	9.7
	113	0.33	3,162	113	0.34	3,356	113	0.32	3,752	113	0.29	4,199
	157	21.0	-	157	21.0	-	157	20.0	-	157	19.1	-
28,000	99	88.6/90.1	12.5	99	90.5/91.9	12.5	100	93.0/94.5	10.6	102	94.1/95.7	9.0
	115	0.32	3,354	115	0.32	3,555	115	0.30	3,995	115	0.28	4,513
	160	20.6	-	160	20.6	-	160	19.6	-	160	18.8	-
29,000	102	88.6/90.1	11.7	102	90.5/91.9	11.7	103	93.0/94.5	9.9	105	94.1/95.7	8.4
	117	0.31	3,555	117	0.31	3,769	117	0.29	4,256	117	0.27	4,839
	163	20.2	-	163	20.2	-	163	19.2	-	163	18.4	-
30,000	104	88.6/90.1	11.1	104	90.5/91.9	11.1	106	93.0/94.5	9.3	108	94.1/95.7	7.8
	119	0.30	3,745	119	0.3	3,984	119	0.28	4,508	119	0.26	5,146
	166	19.9	-	166	19.9	-	166	18.9	-	166	18.2	-
31,000	108	88.6/90.1	10.3	108	90.5/91.9	10.3	109	93.0/94.5	8.6	111	94.1/95.7	7.2
	121	0.29	3,982	121	0.29	4,232	121	0.27	4,819	121	0.25	5,540
	169	19.4	-	169	19.4	-	169	18.6	-	169	17.8	-
32,000	111	88.6/90.1	9.7	111	90.5/91.9	9.7	112	93.0/94.5	8.1	114	94.1/95.7	6.7
	123	0.28	4,216	123	0.28	4,489	123	0.26	5,123	123	0.24	5,919
	171	19.1	-	171	19.1	-	171	18.3	-	171	17.5	-
33,000	113	88.6/90.1	9.1	113	90.5/91.9	9.1	115	93.0/94.5	7.5	116	94.1/95.7	6.2
	125	0.27	4,462	125	0.27	4,760	125	0.25	5,441	125	0.23	6,314
	174	18.8	-	174	18.8	-	174	18.0	-	174	17.3	-
34,000	116	88.6/90.1	8.6	116	90.5/91.9	8.6	118	93.0/94.5	7.1	119	94.1/95.7	5.7
	127	0.26	4,730	127	0.26	5,051	127	0.24	5,775	127	0.22	6,716
	176	18.5	-	176	18.5	-	176	17.7	-	176	17.0	-
35,000	119	88.6/90.1	8.1	119	90.5/91.9	8.1	120	93.0/94.5	6.6	122	94.1/95.7	5.3
	129	0.25	5,014	129	0.25	5,359	129	0.24	6,134	129	0.22	7,137
	179	18.3	-	179	18.3	-	179	17.5	-	179	16.8	-
36,000	122	88.6/90.1	7.6	122	90.5/91.9	7.6	123	93.0/94.5	6.2	125	94.1/95.7	4.9
	131	0.24	5,307	131	0.24	5,680	131	0.23	6,508	131	0.21	7,572
	181	18.0	-	181	18.0	-	181	17.3	-	181	16.6	-
37,000	124	88.6/90.1	7.2	124	90.5/91.9	7.2	126	93.0/94.5	5.8	128	94.1/95.7	4.5
	132	0.24	5,607	132	0.24	6,013	132	0.22	6,910	132	0.20	8,019
	184	17.8	-	184	17.8	-	184	17.1	-	184	16.4	-
38,000	127	88.6/90.1	6.8	127	90.5/91.9	6.8	128	93.0/94.5	5.4	130	94.1/95.7	4.2
	134	0.23	5,916	134	0.23	6,357	134	0.21	7,314	134	0.20	8,477
	187	17.6	-	187	17.6	-	187	16.9	-	187	16.2	-
39,000	129	88.6/90.1	6.4	129	90.5/91.9	6.4	130	93.0/94.5	5.0	131	94.1/95.7	3.9
	136	0.22	6,241	136	0.22	6,721	136	0.21	7,732	136	0.19	8,953
	189	17.4	-	189	17.4	-	189	16.7	-	189	16.1	L5
39,700	131	88.6/90.1	6.1	131	90.5/91.9	6.1	132	93.0/94.5	4.8	130	94.1/95.7	3.7
	137	0.22	6,476	137	0.22	6,981	137	0.2	8,044	137	0.19	9,349
	191	17.3	-	191	17.3	-	191	16.6	L5	191	16.0	L5

VFR = V2 + 25 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	S + FLAPS 20°						Cell legend					
A/I ON							Zp (ft) = 0					
							VR = V2 (kt)		Accel. (G)		BFL (ft)	
TOW (lb)							VFT (kt)		Pitch (°)		Constraint	
	-30.0 °C			-15.0 °C			+0.0 °C		+10.0 °C			
24,000	91	82.0/82.9	15.4	91	84.4/85.3	15.4	91	86.7/87.7	15.4	91	88.3/89.2	15.4
	98	0.40	2,565	98	0.40	2,671	98	0.40	2,778	98	0.40	2,876
	148	20.0	L4	148	20.0	L4	148	20.0	L4	148	20.0	L4
25,000	91	82.0/82.9	14.3	91	84.4/85.3	14.3	91	86.7/87.7	14.3	91	88.3/89.2	14.3
	100	0.39	2,572	100	0.39	2,681	100	0.39	2,790	100	0.39	2,890
	151	20.0	L4	151	20.0	L4	151	20.0	L4	151	20.0	L4
26,000	91	82.0/82.9	13.3	91	84.4/85.3	13.3	91	86.7/87.7	13.3	91	88.3/89.2	13.3
	102	0.37	2,578	102	0.37	2,690	102	0.37	2,801	102	0.37	2,903
	154	19.6	L4	154	19.6	L4	154	19.6	L4	154	19.6	L4
27,000	91	82.0/82.9	12.3	91	84.4/85.3	12.3	91	86.7/87.7	12.3	91	88.3/89.2	12.3
	104	0.36	2,585	104	0.36	2,699	104	0.36	2,812	104	0.36	2,917
	157	19.1	L4	157	19.1	L4	157	19.0	L4	157	19.0	L4
28,000	91	82.0/82.9	11.4	91	84.4/85.3	11.4	91	86.7/87.7	11.4	91	88.3/89.2	11.4
	105	0.34	2,591	105	0.34	2,707	105	0.34	2,824	105	0.34	2,930
	160	18.6	L4	160	18.6	L4	160	18.6	L4	160	18.6	L4
29,000	91	82.0/82.9	10.5	91	84.4/85.3	10.5	91	86.7/87.7	10.5	91	88.3/89.2	10.5
	107	0.33	2,598	107	0.33	2,716	107	0.33	2,835	107	0.33	2,944
	163	18.1	L4	163	18.1	L4	163	18.1	L4	163	18.1	-
30,000	91	82.0/82.9	9.8	91	84.4/85.3	9.8	91	86.7/87.7	9.8	91	88.3/89.2	9.8
	109	0.32	2,621	109	0.32	2,741	109	0.32	2,862	109	0.32	2,972
	166	17.7	L4	166	17.7	L4	166	17.7	L4	166	17.7	-
31,000	94	82.0/82.9	9.1	94	84.4/85.3	9.1	94	86.7/87.7	9.1	94	88.3/89.2	9.1
	111	0.31	2,739	111	0.31	2,867	111	0.31	2,994	111	0.31	3,110
	169	17.4	-	169	17.4	-	169	17.3	-	169	17.3	-
32,000	97	82.0/82.9	8.5	97	84.4/85.3	8.5	97	86.7/87.7	8.5	97	88.3/89.2	8.5
	112	0.30	2,876	112	0.30	3,014	112	0.30	3,151	112	0.30	3,277
	171	17.0	-	171	17.0	-	171	17.0	-	171	17.0	-
33,000	99	82.0/82.9	7.9	99	84.4/85.3	7.9	99	86.7/87.7	7.9	100	88.3/89.2	7.9
	114	0.29	3,018	114	0.29	3,164	114	0.29	3,310	114	0.29	3,444
	174	16.7	-	174	16.7	-	174	16.7	-	174	16.7	-
34,000	102	82.0/82.9	7.4	102	84.4/85.3	7.4	102	86.7/87.7	7.35	102	88.3/89.2	7.4
	116	0.28	3,172	116	0.28	3,328	116	0.28	3,483	116	0.28	3,626
	176	16.5	-	176	16.5	-	176	16.4	-	176	16.4	-
35,000	104	82.0/82.9	6.9	104	84.4/85.3	6.9	104	86.7/87.7	6.83	105	88.3/89.2	6.8
	117	0.27	3,334	117	0.27	3,499	117	0.27	3,664	117	0.27	3,816
	179	16.2	-	179	16.2	-	179	16.2	-	179	16.2	-
36,000	106	82.0/82.9	6.4	106	84.4/85.3	6.4	106	86.7/87.7	6.34	107	88.3/89.2	6.3
	119	0.26	3,507	119	0.26	3,681	119	0.26	3,855	119	0.26	4,014
	181	15.9	-	181	15.9	-	181	15.9	-	181	15.9	-
37,000	109	82.0/82.9	5.9	109	84.4/85.3	5.9	109	86.7/87.7	5.87	109	88.3/89.2	5.9
	121	0.25	3,691	121	0.25	3,873	121	0.25	4,056	121	0.25	4,223
	184	15.7	-	184	15.7	-	184	15.7	-	184	15.7	-
38,000	111	82.0/82.9	5.4	111	84.4/85.3	5.4	111	86.7/87.7	5.41	111	88.3/89.2	5.4
	123	0.24	3,885	123	0.24	4,075	123	0.24	4,266	123	0.24	4,440
	187	15.4	-	187	15.4	-	187	15.4	-	187	15.4	-
39,000	113	82.0/82.9	5.0	113	84.4/85.3	5.0	113	86.7/87.7	4.97	114	88.3/89.2	5.0
	124	0.24	4,093	124	0.24	4,291	124	0.24	4,488	124	0.24	4,670
	189	15.2	-	189	15.2	-	189	15.2	-	189	15.2	-
39,700	114	82.0/82.9	4.7	114	84.4/85.3	4.7	114	86.7/87.7	4.67	115	88.3/89.2	4.7
	125	0.23	4,249	125	0.23	4,454	125	0.23	4,659	125	0.23	4,847
	191	15.0	-	191	15.0	-	191	15.0	-	191	15.0	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

FALCON 50EX	PERFORMANCE Take-off	50-13 page 2 Original
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DRY	S + FLAPS 20°						Cell legend					
A/I ON							Zp (ft) = 2,000					
TOW (lb)	-30.0 °C			-15.0 °C			+0.0 °C			+10.0 °C		
24,000	91	83.8/84.7	15.5	91	86.3/87.2	15.5	91	88.6/89.6	15.4	91	90.2/91.2	15.0
	98	0.40	2,701	98	0.40	2,816	98	0.40	2,944	98	0.40	3,047
	148	20.0	L4	148	20.0	L4	148	20.0	L4	148	20.0	L4
25,000	91	83.8/84.7	14.4	91	86.3/87.2	14.4	91	88.6/89.6	14.4	91	90.2/91.2	13.9
	100	0.39	2,711	100	0.39	2,829	100	0.39	2,959	100	0.39	3,065
	151	20.0	L4	151	20.0	L4	151	20.0	L4	151	19.9	L4
26,000	91	83.8/84.7	13.4	91	86.3/87.2	13.3	91	88.6/89.6	13.3	91	90.2/91.2	12.9
	102	0.37	2,720	102	0.37	2,841	102	0.37	2,974	102	0.37	3,082
	154	19.6	L4	154	19.6	L4	154	19.6	L4	154	19.4	L4
27,000	91	83.8/84.7	12.4	91	86.3/87.2	12.4	91	88.6/89.6	12.4	91	90.2/91.2	11.9
	104	0.36	2,730	104	0.36	2,853	104	0.36	2,989	104	0.36	3,099
	157	19.1	L4	157	19.1	L4	157	19.1	L4	157	18.9	L4
28,000	91	83.8/84.7	11.5	91	86.3/87.2	11.5	91	88.6/89.6	11.4	91	90.2/91.2	11.0
	105	0.34	2,739	105	0.34	2,865	105	0.34	3,005	105	0.34	3,117
	160	18.6	L4	160	18.6	L4	160	18.6	L4	160	18.4	L4
29,000	91	83.8/84.7	10.6	91	86.3/87.2	10.6	91	88.6/89.6	10.6	91	90.2/91.2	10.2
	107	0.33	2,749	107	0.33	2,877	107	0.33	3,020	107	0.33	3,136
	163	18.2	L4	163	18.2	L4	163	18.1	L4	163	17.9	-
30,000	91	83.8/84.7	9.9	91	86.3/87.2	9.9	91	88.6/89.6	9.8	92	90.2/91.2	9.5
	109	0.32	2,775	109	0.32	2,905	109	0.32	3,050	109	0.32	3,168
	166	17.8	L4	166	17.8	L4	166	17.8	L4	166	17.6	-
31,000	94	83.8/84.7	9.1	94	86.3/87.2	9.1	94	88.6/89.6	9.1	94	90.2/91.2	8.8
	111	0.31	2,902	111	0.31	3,039	111	0.31	3,194	111	0.31	3,324
	169	17.4	-	169	17.4	-	169	17.4	-	169	17.2	-
32,000	97	83.8/84.7	8.5	97	86.3/87.2	8.5	97	88.6/89.6	8.5	97	90.2/91.2	8.2
	112	0.30	3,051	112	0.30	3,200	112	0.30	3,367	112	0.30	3,506
	171	17.1	-	171	17.1	-	171	17.1	-	171	16.9	-
33,000	99	83.8/84.7	8.0	99	86.3/87.2	8.0	99	88.6/89.6	8.0	100	90.2/91.2	7.6
	114	0.29	3,204	114	0.29	3,362	114	0.29	3,541	114	0.29	3,691
	174	16.8	-	174	16.8	-	174	16.8	-	174	16.6	-
34,000	102	83.8/84.7	7.4	102	86.3/87.2	7.4	102	88.6/89.6	7.4	102	90.2/91.2	7.1
	116	0.28	3,371	116	0.28	3,539	116	0.28	3,730	116	0.28	3,893
	176	16.5	-	176	16.5	-	176	16.5	-	176	16.3	-
35,000	104	83.8/84.7	6.9	104	86.3/87.2	6.9	104	88.6/89.6	6.9	105	90.2/91.2	6.6
	117	0.27	3,545	117	0.27	3,723	117	0.27	3,927	117	0.27	4,102
	179	16.2	-	179	16.2	-	179	16.2	-	179	16.0	-
36,000	106	83.8/84.7	6.4	106	86.3/87.2	6.4	106	88.6/89.6	6.4	107	90.2/91.2	6.1
	119	0.26	3,729	119	0.26	3,917	119	0.26	4,133	119	0.26	4,318
	181	16.0	-	181	15.9	-	181	15.9	-	181	15.8	-
37,000	109	83.8/84.7	5.9	109	86.3/87.2	5.9	109	88.6/89.6	5.9	109	90.2/91.2	5.6
	121	0.25	3,923	121	0.25	4,121	121	0.25	4,349	121	0.25	4,549
	184	15.7	-	184	15.7	-	184	15.7	-	184	15.5	-
38,000	111	83.8/84.7	5.5	111	86.3/87.2	5.5	111	88.6/89.6	5.5	112	90.2/91.2	5.2
	123	0.24	4,128	123	0.24	4,334	123	0.24	4,574	123	0.24	4,789
	187	15.5	-	187	15.5	-	187	15.5	-	187	15.3	-
39,000	113	83.8/84.7	5.0	113	86.3/87.2	5.0	113	88.6/89.6	5.0	114	90.2/91.2	4.8
	124	0.24	4,345	124	0.24	4,559	124	0.24	4,813	124	0.24	5,046
	189	15.2	-	189	15.2	-	189	15.2	-	189	15.1	-
39,700	114	83.8/84.7	4.7	114	86.3/87.2	4.7	114	88.6/89.6	4.7	115	90.2/91.2	4.5
	125	0.23	4,510	125	0.23	4,732	125	0.23	4,997	125	0.23	5,242
	191	15.1	-	191	15.1	-	191	15.1	-	191	14.9	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	S + FLAPS 20°						Cell legend					
A/I ON							Zp (ft) =4,000					
TOW (lb)	-30.0 °C			-15.0 °C			+0.0 °C			+10.0 °C		
24,000	91	86.1/87.1	15.2	91	88.7/89.7	15.2	91	91.1/92.2	14.3	91	92.6/93.8	13.0
	98	0.39	2,837	98	0.39	2,960	98	0.39	3,146	98	0.36	3,428
	148	20.0	L4	148	20.0	L4	148	20.0	L4	148	19.4	L4
25,000	91	86.1/87.1	14.2	91	88.7/89.7	14.1	91	91.1/92.2	13.2	91	92.6/93.8	12.0
	100	0.37	2,850	100	0.37	2,976	100	0.37	3,166	100	0.35	3,455
	100	20.0	L4	100	20.0	L4	100	19.5	L4	100	18.9	L4
26,000	91	86.1/87.1	13.1	91	88.7/89.7	13.1	91	91.1/92.2	12.2	91	92.6/93.8	11.0
	102	0.36	2,863	102	0.36	2,992	102	0.36	3,185	102	0.33	3,481
	154	19.5	L4	154	19.5	L4	154	19.0	L4	154	18.4	L4
27,000	91	86.1/87.1	12.2	91	88.7/89.7	12.2	91	91.1/92.2	11.3	91	92.6/93.8	10.1
	104	0.34	2,876	104	0.34	3,007	104	0.34	3,204	104	0.32	3,506
	157	19.0	L4	157	19.0	L4	157	18.5	L4	157	17.9	L4
28,000	91	86.1/87.1	11.3	91	88.7/89.7	11.2	91	91.1/92.2	10.4	91	92.6/93.8	9.3
	105	0.33	2,888	105	0.33	3,023	105	0.33	3,226	105	0.31	3,536
	160	18.5	L4	160	18.5	L4	160	18.1	L4	160	17.5	L4
29,000	91	86.1/87.1	10.4	91	88.7/89.7	10.4	91	91.1/92.2	9.6	92	92.6/93.8	8.6
	107	0.32	2,901	107	0.32	3,038	107	0.32	3,247	107	0.30	3,565
	163	18.1	L4	163	18.0	L4	163	17.6	-	163	17.1	-
30,000	91	86.1/87.1	9.7	91	88.7/89.7	9.7	92	91.1/92.2	8.9	95	92.6/93.8	7.9
	109	0.30	2,929	109	0.30	3,069	109	0.30	3,282	109	0.29	3,647
	166	17.7	L4	166	17.7	L4	166	17.3	-	166	16.7	-
31,000	94	86.1/87.1	9.0	94	88.7/89.7	8.9	95	91.1/92.2	8.2	98	92.6/93.8	7.3
	111	0.29	3,064	111	0.29	3,215	111	0.29	3,448	111	0.28	3,855
	169	17.3	-	169	17.3	-	169	16.9	-	169	16.4	-
32,000	97	86.1/87.1	8.3	97	88.7/89.7	8.3	97	91.1/92.2	7.6	100	92.6/93.8	6.7
	112	0.28	3,227	112	0.28	3,390	112	0.28	3,640	112	0.27	4,080
	171	17.0	-	171	17.0	-	171	16.6	-	171	16.1	-
33,000	99	86.1/87.1	7.8	99	88.7/89.7	7.8	100	91.1/92.2	7.1	103	92.6/93.8	6.2
	114	0.27	3,391	114	0.27	3,565	114	0.27	3,836	114	0.26	4,314
	174	16.7	-	174	16.7	-	174	16.3	-	174	15.8	-
34,000	102	86.1/87.1	7.3	102	88.7/89.7	7.3	102	91.1/92.2	6.6	106	92.6/93.8	5.7
	116	0.26	3,570	116	0.26	3,756	116	0.26	4,049	116	0.25	4,565
	176	16.4	-	176	16.4	-	176	16.0	-	176	15.6	-
35,000	104	86.1/87.1	6.7	104	88.7/89.7	6.7	105	91.1/92.2	6.1	108	92.6/93.8	5.3
	117	0.26	3,756	117	0.26	3,955	117	0.26	4,269	117	0.24	4,825
	179	16.1	-	179	16.1	-	179	15.8	-	179	15.4	-
36,000	106	86.1/87.1	6.3	106	88.7/89.7	6.3	107	91.1/92.2	5.6	111	92.6/93.8	4.8
	119	0.25	3,952	119	0.25	4,163	119	0.25	4,497	119	0.23	5,094
	181	15.9	-	181	15.9	-	181	15.5	-	181	15.1	-
37,000	109	86.1/87.1	5.8	109	88.7/89.7	5.8	109	91.1/92.2	5.2	113	92.6/93.8	4.4
	121	0.24	4,157	121	0.24	4,381	121	0.24	4,741	121	0.23	5,382
	184	15.6	-	184	15.6	-	184	15.3	-	184	14.9	-
38,000	111	86.1/87.1	5.3	111	88.7/89.7	5.3	112	91.1/92.2	4.8	115	92.6/93.8	4.0
	123	0.23	4,372	123	0.23	4,609	123	0.23	4,995	123	0.22	5,679
	187	15.4	-	187	15.4	-	187	15.1	-	187	14.7	-
39,000	113	86.1/87.1	4.9	113	88.7/89.7	4.9	114	91.1/92.2	4.4	117	92.6/93.8	3.6
	124	0.23	4,598	124	0.23	4,851	124	0.23	5,270	124	0.21	6,001
	189	15.2	-	189	15.2	-	189	14.9	-	189	14.5	-
39,700	114	86.1/87.1	4.6	114	88.7/89.7	4.6	115	91.1/92.2	4.1	118	92.6/93.8	3.4
	125	0.22	4,773	125	0.22	5,037	125	0.22	5,478	125	0.21	6,239
	191	15.0	-	191	15.0	-	191	14.7	-	191	14.3	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

DRY	S + FLAPS 20°						Cell legend					
A/I ON							Zp (ft) = 6,000					
							VR = V2 (kt)		Accel. (G)		BFL (ft)	
TOW (lb)	-30.0 °C			-15.0 °C			VFT (kt)		Pitch (°)		Constraint	
							+0.0 °C		+10.0 °C			
24,000	91	88.6/90.1	14.8	91	90.5/91.9	14.8	91	93.0/94.5	12.5	91	94.1/95.7	10.7
	98	0.38	3,068	98	0.38	3,243	98	0.36	3,588	98	0.33	3,863
	148	20.0	L4	148	20.0	L4	148	19.1	L4	148	18.2	L4
25,000	91	88.6/90.1	13.7	91	90.5/91.9	13.7	91	93.0/94.5	11.4	91	94.1/95.7	9.7
	100	0.36	3,086	100	0.36	3,266	100	0.34	3,619	100	0.32	3,896
	151	19.8	L4	151	19.8	L4	151	18.6	L4	151	17.7	L4
26,000	91	88.6/90.1	12.7	91	90.5/91.9	12.7	91	93.0/94.5	10.5	91	94.1/95.7	8.9
	102	0.35	3,104	102	0.35	3,287	102	0.33	3,649	102	0.30	3,929
	154	19.3	L4	154	19.3	L4	154	18.1	L4	154	17.2	L4
27,000	91	88.6/90.1	11.7	91	90.5/91.9	11.7	91	93.0/94.5	9.6	91	94.1/95.7	8.1
	104	0.33	3,123	104	0.34	3,308	104	0.32	3,680	104	0.29	3,961
	157	18.8	L4	157	18.8	L4	157	17.6	L4	157	16.8	L4
28,000	91	88.6/90.1	10.8	91	90.5/91.9	10.8	91	93.0/94.5	8.8	92	94.1/95.7	7.3
	105	0.32	3,141	105	0.32	3,332	105	0.3	3,713	105	0.28	3,994
	160	18.3	L4	160	18.3	L4	160	17.2	L4	160	16.4	-
29,000	91	88.6/90.1	10.0	91	90.5/91.9	10.0	92	93.0/94.5	8.1	95	94.1/95.7	6.6
	107	0.31	3,160	107	0.31	3,356	107	0.29	3,746	107	0.27	4,048
	163	17.9	-	163	17.9	-	163	16.8	-	163	16.1	-
30,000	92	88.6/90.1	9.3	92	90.5/91.9	9.3	94	93.0/94.5	7.5	96	94.1/95.7	6.0
	109	0.30	3,193	109	0.30	3,394	109	0.28	3,900	109	0.26	4,321
	166	17.5	-	166	17.5	-	166	16.5	-	166	15.8	-
31,000	95	88.6/90.1	8.6	95	90.5/91.9	8.6	97	93.0/94.5	6.8	99	94.1/95.7	5.5
	111	0.29	3,350	111	0.29	3,570	111	0.27	4,145	111	0.25	4,625
	169	17.1	-	169	17.1	-	169	16.2	-	169	15.5	-
32,000	97	88.6/90.1	8.0	97	90.5/91.9	8.0	100	93.0/94.5	6.3	102	94.1/95.7	5.0
	112	0.28	3,535	112	0.28	3,771	112	0.26	4,398	112	0.24	4,935
	171	16.8	-	171	16.8	-	171	15.9	-	171	15.2	-
33,000	100	88.6/90.1	7.4	100	90.5/91.9	7.4	102	93.0/94.5	5.8	105	94.1/95.7	4.5
	114	0.27	3,723	114	0.27	3,978	114	0.25	4,662	114	0.23	5,251
	174	16.5	-	174	16.5	-	174	15.6	-	174	15.0	-
34,000	102	88.6/90.1	6.9	103	90.5/91.9	6.9	105	93.0/94.5	5.4	107	94.1/95.7	4.1
	116	0.26	3,926	116	0.26	4,203	116	0.24	4,939	116	0.22	5,580
	176	16.2	-	176	16.2	-	176	15.4	-	176	14.7	-
35,000	105	88.6/90.1	6.4	105	90.5/91.9	6.4	107	93.0/94.5	4.9	110	94.1/95.7	3.7
	117	0.25	4,138	117	0.25	4,434	117	0.24	5,230	117	0.22	5,916
	179	16.0	-	179	16.0	-	179	15.2	-	179	14.5	-
36,000	107	88.6/90.1	6.0	107	90.5/91.9	6.0	110	93.0/94.5	4.47	112	94.1/95.7	3.3
	119	0.24	4,356	119	0.24	4,672	119	0.23	5,536	119	0.21	6,269
	181	15.7	-	181	15.7	-	181	14.9	-	181	14.3	-
37,000	110	88.6/90.1	5.5	110	90.5/91.9	5.5	112	93.0/94.5	4.1	114	94.1/95.7	2.9
	121	0.24	4,591	121	0.24	4,930	121	0.22	5,851	121	0.20	6,626
	184	15.5	-	184	15.5	-	184	14.7	-	184	14.1	-
38,000	112	88.6/90.1	5.1	112	90.5/91.9	5.1	114	93.0/94.5	3.7	-	-	-
	123	0.23	4,833	123	0.23	5,198	123	0.21	6,180	-	-	-
	187	15.2	-	187	15.2	-	187	14.5	-	-	-	-
39,000	114	88.6/90.1	4.6	114	90.5/91.9	4.6	117	93.0/94.5	3.3	-	-	-
	124	0.22	5,094	124	0.22	5,490	124	0.21	6,522	-	-	-
	189	15.0	-	189	15.0	-	189	14.3	-	-	-	-
39,700	115	88.6/90.1	4.4	115	90.5/91.9	4.4	118	93.0/94.5	3.0	-	-	-
	125	0.22	5,293	125	0.22	5,710	125	0.20	6,774	-	-	-
	191	14.9	-	191	14.9	-	191	14.2	-	-	-	-

VFR = V2 + 15 kt

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

Constraint Code: L1=Structure, L2=Climb, L4=V1min, L5=Vmbe, L6=VR

S + FLAPS 48°	
LW (lb)	VREF (kt)
24,000	104
25,000	106
26,000	108
27,000	110
28,000	112
29,000	114
30,000	116
31,000	118
32,000	120
33,000	122
34,000	124
35,000	125
35,715	126
36,000	127
37,000	128
38,000	130
39,000	131
39,700	133

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

LW (lb)	S + FLAPS 48°			Cell legend
				LD _{DRY} (ft)
	LANDING FIELD LENGTH			LD _{DRY} X 1.67 (ft)
				LD _{DRY} X 1.92 (ft)
Zp (ft)				
	0	2000	4000	6000
24,000	2,078	2,164	2,255	2,350
	3,470	3,613	3,765	3,925
	3,989	4,154	4,329	4,512
25,000	2,140	2,228	2,322	2,419
	3,573	3,720	3,879	4,039
	4,108	4,277	4,459	4,644
26,000	2,202	2,294	2,390	2,489
	3,677	3,831	3,990	4,157
	4,228	4,405	4,588	4,780
27,000	2,264	2,358	2,460	2,562
	3,781	3,938	4,108	4,278
	4,346	4,527	4,723	4,918
28,000	2,324	2,424	2,531	2,631
	3,881	4,047	4,226	4,394
	4,462	4,653	4,859	5,052
29,000	2,385	2,496	2,601	2,705
	3,983	4,168	4,343	4,518
	4,579	4,792	4,994	5,194
30,000	2,464	2,576	2,682	2,792
	4,116	4,302	4,479	4,662
	4,732	4,945	5,150	5,360
31,000	2,541	2,655	2,766	2,882
	4,244	4,433	4,619	4,813
	4,879	5,097	5,311	5,533
32,000	2,621	2,734	2,849	2,971
	4,376	4,565	4,758	4,962
	5,032	5,249	5,470	5,705
33,000	2,697	2,813	2,932	3,060
	4,505	4,698	4,897	5,110
	5,179	5,401	5,630	5,875
34,000	2,773	2,893	3,016	3,148
	4,631	4,831	5,036	5,257
	5,325	5,555	5,790	6,043
35,000	2,849	2,972	3,099	3,236
	4,758	4,963	5,175	5,404
	5,470	5,706	5,950	6,213
35,715	2,906	3,031	3,159	3,300
	4,853	5,061	5,275	5,511
	5,580	5,819	6,064	6,335
36,000	2,950	3,080	3,200	3,350
	4,927	5,144	5,344	5,595
	5,664	5,914	6,144	6,432
37,000	3,050	3,160	3,295	3,440
	5,094	5,277	5,503	5,745
	5,856	6,067	6,326	6,605
38,000	3,120	3,250	3,375	3,525
	5,210	5,428	5,636	5,887
	5,990	6,240	6,480	6,768
39,000	3,220	3,345	3,495	3,630
	5,377	5,586	5,837	6,062
	6,182	6,422	6,710	6,970
39,700	3,290	3,420	3,575	3,700
	5,494	5,711	5,970	6,179
	6,317	6,566	6,864	7,104

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= +15°C	S + FLAPS 48°			
A/I OFF	LCG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>16	>16	>16	>16
25,000	>16	>16	>16	>16
26,000	>16	>16	>16	15.6
27,000	>16	>16	>16	14.4
28,000	>16	>16	15.9	13.2
29,000	>16	>16	14.7	12.1
30,000	>16	>16	13.8	11.2
31,000	14.9	14.9	12.7	10.2
32,000	14.0	14.0	11.8	9.4
33,000	13.1	13.1	10.9	8.7
34,000	12.2	12.2	10.2	8.0
35,000	11.3	11.3	9.4	7.3
35,715	10.8	10.8	8.9	6.9
36,000	10.8	10.8	8.6	6.7
37,000	10.2	10.2	8.1	6.1
38,000	9.4	9.4	7.5	5.5
39,000	8.8	8.8	6.7	5.0
39,700	8.4	8.4	6.5	4.8

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= 0°C	S + FLAPS 48°			
A/I ON	LCG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>16	>16	>16	>16
25,000	>16	>16	>16	>16
26,000	>16	>16	>16	15.8
27,000	>16	>16	>16	14.5
28,000	>16	>16	>16	13.4
29,000	>16	>16	15.7	12.3
30,000	14.9	14.9	14.6	11.4
31,000	13.8	13.8	13.5	10.4
32,000	12.8	12.8	12.6	9.5
33,000	11.9	11.9	11.7	8.8
34,000	11.1	11.1	10.9	8.1
35,000	10.3	10.3	10.1	7.4
35,715	9.8	9.8	9.6	7.0
36,000	9.7	9.7	9.5	6.8
37,000	9.0	9.0	8.9	6.2
38,000	8.4	8.4	8.2	5.6
39,000	7.8	7.8	7.6	5.2
39,700	7.3	7.3	7.2	4.8

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

S + FLAPS 20°	
LW (lb)	VREF+5 (kt)

24,000	109
25,000	111
26,000	113
27,000	115
28,000	117
29,000	119
30,000	121
31,000	123
32,000	125
33,000	127
34,000	129
35,000	131
35,715	132
36,000	132
37,000	134
38,000	135
39,000	137
39,700	138

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

LW (lb)	S + FLAPS 20°			Cell legend	
				LD _{DRY} (ft)	
	LANDING FIELD LENGTH			LD _{DRY} X 1.67 (ft)	
				LD _{DRY} X 1.92 (ft)	
Zp (ft)					
	0	2000	4000	6000	
24,000	2,455	2,546	2,648	2,754	
	4,100	4,252	4,422	4,598	
	4,714	4,888	5,084	5,287	
25,000	2,519	2,613	2,719	2,829	
	4,207	4,363	4,540	4,724	
	4,837	5,016	5,220	5,431	
26,000	2,586	2,681	2,792	2,904	
	4,319	4,477	4,662	4,850	
	4,966	5,147	5,360	5,576	
27,000	2,653	2,751	2,867	2,979	
	4,431	4,594	4,788	4,976	
	5,094	5,282	5,505	5,721	
28,000	2,720	2,823	2,940	3,055	
	4,542	4,714	4,910	5,102	
	5,222	5,420	5,645	5,866	
29,000	2,788	2,892	3,013	3,132	
	4,657	4,830	5,032	5,231	
	5,354	5,553	5,786	6,014	
30,000	2,858	2,962	3,089	3,211	
	4,772	4,946	5,158	5,362	
	5,487	5,687	5,930	6,164	
31,000	2,927	3,035	3,165	3,291	
	4,889	5,069	5,286	5,496	
	5,621	5,828	6,077	6,319	
32,000	2,999	3,111	3,244	3,373	
	5,008	5,195	5,417	5,634	
	5,757	5,972	6,228	6,477	
33,000	3,070	3,187	3,323	3,457	
	5,127	5,322	5,549	5,772	
	5,895	6,118	6,380	6,636	
34,000	3,143	3,264	3,404	3,540	
	5,249	5,451	5,684	5,911	
	6,035	6,267	6,535	6,796	
35,000	3,218	3,346	3,486	3,624	
	5,375	5,587	5,822	6,052	
	6,179	6,423	6,693	6,958	
35,715	3,273	3,405	3,546	3,685	
	5,466	5,687	5,922	6,154	
	6,284	6,538	6,809	7,075	
36,000	3,340	3,450	3,100	3,740	
	5,578	5,762	5,177	6,246	
	6,413	6,624	5,952	7,181	
37,000	3,400	3,545	3,700	3,835	
	5,678	5,920	6,179	6,404	
	6,528	6,806	7,104	7,363	
38,000	3,490	3,625	3,770	3,925	
	5,828	6,054	6,296	6,555	
	6,701	6,960	7,238	7,536	
39,000	3,575	3,720	3,890	4,020	
	5,970	6,212	6,496	6,713	
	6,864	7,142	7,469	7,718	
39,700	3,645	3,800	3,950	4,110	
	6,087	6,346	6,597	6,864	
	6,998	7,296	7,584	7,891	

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= +15°C	S + FLAPS 20°			
A/I OFF	LCG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>21	>21	>21	>21
25,000	>21	>21	>21	>21
26,000	>21	>21	>21	20.4
27,000	>21	>21	>21	19.1
28,000	>21	>21	>21	17.9
29,000	>21	>21	19.4	16.8
30,000	20.8	20.8	18.3	15.9
31,000	19.7	19.7	17.2	14.9
32,000	18.7	18.7	16.3	14.0
33,000	17.8	17.7	15.4	13.2
34,000	16.9	16.9	14.5	12.4
35,000	16.1	16.0	13.7	11.7
35,715	15.5	15.5	13.2	11.2
36,000	15.3	15.2	12.8	11.0
37,000	14.5	14.4	12.3	10.4
38,000	13.9	13.7	11.6	9.8
39,000	13.3	13.2	11.2	9.3
39,700	12.9	12.8	10.7	9.1

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= 0°C	S + FLAPS 20°			
A/I ON	LCG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>20	>20	>20	>20
25,000	>20	>20	>20	>20
26,000	>20	>20	>20	>20
27,000	>20	>20	>20	19.2
28,000	>20	>20	>20	18.0
29,000	>20	>20	19.5	16.9
30,000	19.5	19.5	18.4	16.0
31,000	18.4	18.4	17.4	15.0
32,000	17.4	17.4	16.4	14.1
33,000	16.5	16.5	15.5	13.3
34,000	15.7	15.7	14.7	12.5
35,000	14.8	14.8	13.9	11.8
35,715	14.3	14.3	13.4	11.3
36,000	14.0	14.0	13.1	11.2
37,000	13.3	13.3	12.4	10.5
38,000	12.8	12.8	11.9	9.9
39,000	12.2	12.2	11.1	9.5
39,700	11.9	11.9	11.0	9.1

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= +15°C	S + FLAPS 20°			
A/I OFF	ACG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>16	>16	14.6	12.6
25,000	15.5	15.5	13.6	11.6
26,000	14.4	14.4	12.6	10.7
27,000	13.4	13.4	11.7	9.9
28,000	12.5	12.5	10.8	9.1
29,000	11.7	11.7	10.1	8.4
30,000	11.0	11.1	9.4	7.8
31,000	10.3	10.3	8.8	7.2
32,000	9.6	9.6	8.2	6.6
33,000	9.0	9.0	7.6	6.1
34,000	8.4	8.4	7.1	5.7
35,000	7.9	7.9	6.6	5.2
35,715	7.5	7.5	6.2	4.9
36,000	7.4	7.4	6.2	4.9
37,000	7.0	7.0	5.7	4.3
38,000	6.6	6.6	5.3	4.1
39,000	6.2	6.2	4.9	3.8
39,700	5.8	5.8	4.7	3.8

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= 0°C	S + FLAPS 20°			
A/I ON	ACG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>15	>15	>15	12.7
25,000	14.3	14.5	14.2	11.7
26,000	13.3	13.4	13.2	10.8
27,000	12.4	12.5	12.3	10.0
28,000	11.5	11.6	11.4	9.2
29,000	10.8	10.9	10.6	8.5
30,000	10.1	10.2	10.0	7.9
31,000	9.4	9.5	9.3	7.3
32,000	8.8	8.8	8.6	6.7
33,000	8.2	8.3	8.1	6.2
34,000	7.6	7.7	7.5	5.7
35,000	7.1	7.2	7.0	5.3
35,715	6.8	6.9	6.7	5.0
36,000	6.6	6.7	6.6	4.8
37,000	6.3	6.3	6.2	4.5
38,000	5.9	5.9	5.8	4.1
39,000	5.5	5.6	5.4	3.6
39,700	5.2	5.2	5.1	3.6

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= +15°C	SLATS			
A/I OFF	ACG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>16	>16	>16	14.5
25,000	>16	>16	15.4	13.6
26,000	16.3	16.4	14.4	12.7
27,000	15.3	15.4	13.6	11.9
28,000	14.5	14.6	12.8	11.2
29,000	13.6	13.7	12.0	10.5
30,000	12.9	13.0	11.3	9.8
31,000	12.2	12.3	10.6	9.2
32,000	11.5	11.6	10.1	8.7
33,000	10.9	11.0	9.5	8.2
34,000	10.4	10.5	9.0	7.7
35,000	9.8	9.9	8.5	7.2
35,715	9.5	9.6	8.1	6.9
36,000	9.3	9.3	8.1	6.8
37,000	8.8	8.8	7.5	6.4
38,000	8.3	8.3	7.1	6.0
39,000	7.9	7.9	6.7	5.7
39,700	7.6	7.6	6.5	5.4

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.

OAT= 0°C	SLATS			
A/I ON	ACG (%)			
LW (lb)	Field Pressure Altitude (ft)			
	0	2000	4000	6000
24,000	>16	>16	>16	14.5
25,000	>16	>16	15.9	13.6
26,000	15.37	15.37	15.0	12.7
27,000	14.5	14.4	14.1	11.9
28,000	13.6	13.6	13.3	11.2
29,000	12.8	12.8	12.5	10.5
30,000	12.1	12.1	11.8	9.8
31,000	11.4	11.4	11.1	9.2
32,000	10.8	10.8	10.5	8.7
33,000	10.2	10.2	9.9	8.2
34,000	9.6	9.6	9.4	7.7
35,000	9.1	9.1	8.9	7.2
35,715	8.8	8.8	8.5	6.9
36,000	8.6	8.6	8.3	6.7
37,000	8.2	8.2	7.9	6.4
38,000	7.7	7.7	7.4	6.1
39,000	7.4	7.4	7.0	5.7
39,700	7.0	7.0	6.6	5.4

Wind (kt) = +0.0 ; Runway Slope (%) = +0.0

Amber cells refer to weights exceeding MLW (35,715 lb)

Performance data contained herein are derived from the Airplane Flight Manual and/or Performance Manual.