

### Take-Off

CD_0	0.015	mu_TO	0.05
A	7	T_max (lb)	4
H (f)	0	f_LG	0.238745858
CL_G	2	A_LG (f^2)	1
W_TO (lb)	5	deltCD_0_flap	0.05
S (f^2)	6.3843036	gamma_CL (deg)	3
		H_obstacle (f)	10

k	0.0568411	T/W	0.732138667
rho (lbm/f^3)	0.076474	f1 (f/s^2)	21.96486507
W/S (lb/f^2)	0.8557622	deltCD_0_LG	0.037395756
S (f^2)	6.3843036	f2 (f^-1)	-0.005186568
V_T-O (f/s)	22.778695	R_TR (f)	107.4262813
q_T-O (lb/f)	0.6161488	H_TR (f)	0.147223736

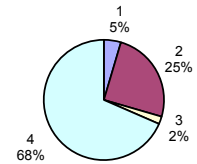
S_G (f)	12.60003052
S_R (f)	68.33608453
S_TR (f)	5.622252414
S_CL (f)	188.0023297
S_T-O (f)	274.5606972

### Landing

W_L (lb)	5.1853784	D_50 (lb)	1.444890987
W/S (lb/f^2)	0.8122074	gamma_A (deg)	-16.17949362
V_50 (f/s)	24.040741	gamma_A_act	-3
V_TD (f/s)	21.266809	R_TR (f)	84.56871565
q_50 (lb/f^2)	0.6863152	H_TR (f)	0.115891651
q_TD (lb/f^2)	0.5370721	f1 (f/s^2)	-0.690694044
mu_L	0.6	f2 (f^-1)	0.046320968
T_L (lb)	3		

S_A (f)	951.8462954
S_TR (f)	4.425980867
S_FR (f)	63.80042731
S_B (f)	#NUM!
S_L (f)	#NUM!
1.6(S_L) (f)	#NUM!

Take-off Breakdown



Landing Breakdown

