

FIREFLY MODELS – GENERAL DATA

Fuel Injection (unless otherwise stated)	T67C 160 hp (Carb.)	T67M260 260 hp
<u>PRINCIPLE DIMENSIONS</u>		
Wing Span ft (m)	35'2" (10.72)	35'2" (10.72)
Wing Aspect Ratio	8.88	8.88
Overall Length ft (m)	24'0" (7.31)	24'9" (7.54)
Overall Height ft (m)	7'6" (2.29)	7'6" (2.29)
Wheel Track ft (m)	8'0" (2.44)	8'0" (2.44)
<u>WEIGHTS AND LOADING</u>		
Empty Weight (approx.) lbs (Kg)	1510 (685)	1824 (827)
Empty Weight with Air. Con. (approx.)	-	1874 (850)
Make Take Off Weight lbs (Kg)	2150 (975)	2550 (1157)
Max Aerobatic Weight lbs (Kg)	2150 (975)	2550 (1157)
Max Landing Weight lbs (Kg)	2150 (975)	2550 (1157)
Max Baggage Weight lbs (Kg)	66 (30)	66 (30)
Max Fuel lbs (Kg)	252 (114)	252 (114)
Max Wing Loading lb/ft (Kg/m)	15.7 (77)	18.6 (91)
Max Power Loading lb/bhp (Kg/Kw)	13.4 (8.2)	9.71 (5.90)
"g" Limits	16 -3	16 -3
<u>SPEEDS</u>		
VNE	180 (334)	195 (361)
Max Level (sea level)	127 (235)	154 (285)
75% cruise at 8000ft	116 (215)	140 (259)
Stall (flaps down)	49 (91)	54 (100)
Max Climb (sea level)	875 (4.4)	1380 (7.01)
Max cross wind comp	25 (46)	25 (46)
<u>TAKE OFF</u>		
(ISA sea level conditions, Zero Wind)		
Ground roll ft(m)	1155 (352)	679 (207)
Distance from 50ft ft(m)	1905 (581)	1162 (354)
<u>LANDING</u>		
(ISA sea level conditions, Zero Wind)		
Ground roll ft(m)	1203 (367)	1197 (365)
Distance from 50ft ft(m)	1854 (585)	2223 (678)
<u>RANGE</u>		
60-65% power at 8000ft N/ml (Includes allowance for start taxi, take off, climb, descent and 30 minutes holding)	552	373
<u>ENDURANCE</u>		
Flight power setting for best economy at 8000ft (Includes allowance for start taxi, take off, climb, descent and 30 minutes holding)	7hr 10min	4hr 40min