C90B WEIGHT & BALANCE/PERFORMANCE

V_{MC}	V_{SO}	V_1 / V_R / V_2	V_Y	V_{YSE}	V_A	V_{FE}		V_{MO}
80	78	**Computed**	112	108	169	**Aprch:** 184	**Full:** 140	226

V_{REF}		V_{LO}		V_{GLIDE}	**Emer. Descent**	**Sustained Ice**
Flaps up	**Flaps 100%**	**Up**	**Down**	125	182	≥140
115	101	163	182			

WEIGHT AND BALANCE

ITEM	WEIGHT		MOMENT / 100
Basic Empty Weight **(N370U)**	**6614.1**		**10094.27**
Pilot and Co-Pilot			
Passengers—FWD Club Seats			
Passengers—AFT Club Seats			
PAX—Aisle Facing Storage Seat			
Passenger—Lavatory Seat			
Rear Baggage Compartment			
FWD Cabinet			
AFT Cabinet			
Equals Zero Fuel Weight			
***Determine Max T/off weight to achieve Positive Single Engine Climb @ Lift-off = _____Lbs.**			
Fuel [384 gallons Max. Usable]			
Equals Ramp Weight (10,160 lbs)			
(Start / Taxi Fuel Burn-off)	**-60.0**		**-93**
Equals Take-off Weight			
(Fuel Consumed in Flight)	-		
Total Fuel Remaining			
Zero Fuel Weight	+		+
Equals Landing Weight			

Maximum Take-off Weight: **10,100 lbs.** ➔ Forward C.G. Limit: **145.0** Aft C.G. Limit: **160.0**
Maximum Landing Weight: **9.600 lbs.**
***Verify that both Take off and Landing Weights and Moments are Within Limits (Use POH)**

Surface Weather

Wind _____
Visibility _____
Sky Condition _____
Temperature _____
Altimeter _____

Compute

Pressure Alt _____
Density Alt _____
X-Wind _____
Head Wind _____

Additional Weather

6000' _____
9000' _____
12000' _____
18000' _____
24000' _____

Interpolate for Cruise Alt. _____

ISA conversion @ Cruise _____

Surface Weather @ Destination

Wind _____
Visibility _____
Sky Condition _____
Temperature _____
Altimeter _____

Fuel = 6.7 lbs. / Gal.

Temperature Conversion:
C = (F – 32) X 5/9
F = (1.8 X C) + 32

PERFORMANCE

Accelerated Stop Distance	
Accelerated Go Distance	
Takeoff Distance	
V_1 / V_R Speed	
M.E. Climb Gradient/V2	
Rate of Climb Two Engines	
S.E. Climb Gradient	
Rate of Climb Single Engine	
S.E. Absolute Ceiling	

Single engine Service Ceiling			
Rate of Climb @ TPA			
To Climb	Time:	Fuel:	Dist:
Cruise Power (Select POWER or RANGE)			
Torque:	Fuel/Lbs/Hr:	TAS:	
One Engine Inoperative Max. Cruise Power			
Torque:	Fuel/Lbs/Hr:	TAS:	
To Descend	Time:	Fuel:	Dist:
Landing Distance			