

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)	6845.27	10332.93
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)	-	XXXXXXXXXXXXXXXXXXXX
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			