Weight & Balance

Archer: N351MK

/ circi. 1433 IVIK				
PRACTICE USE ONLY	<u>Weight</u>	<u>Arm</u>	Moment	
Basic Empty Weight	1657.2	87.89	145653.2	
Pilot/Copilot		80.5		
Rear Passengers		118.1		
Baggage Area (200 lbs max)		142.8		
Zero Fuel Weight				
Fuel Weight		95.0		
Ramp Weight				
Start / Taxi / Run-up	-8	95.0	-665	
Takeoff Weight				
Tail # Adjustment (if applicable)				
New Takeoff Weight (if applicable)				
Trip Fuel Burn		95.0		
Landing Weight				
Tail # Adjustment (if applicable)				
New Landing Weight (if applicable)				

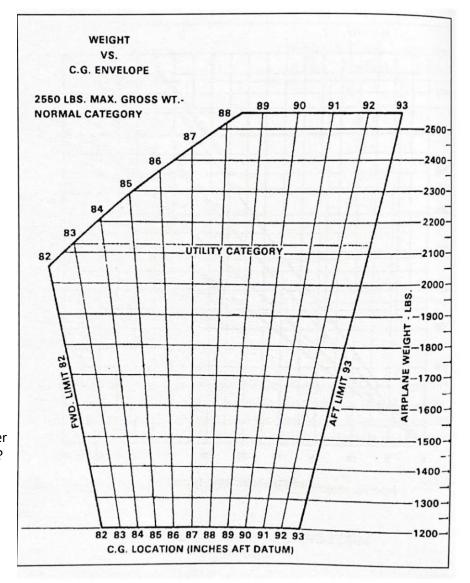
New Tail Number (if switched by dispatch): N3____MK

Persons on Board	Passenge Current
PIC Name:	Weight: 🔲
Additional Pilot Name:	Weight:
Passenger #1 Name:	Weight:
Passenger #2 Name:	Weight:

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Maximum Ramp Weight2558 lbsMaximum Takeoff Weight2550 lbsMaximum Landing Weight2550 lbs

REQUIRED: The takeoff weight and landing weight must be plotted on the diagram below.



Important Weights

Chocks = 1 lb
Airplane Blanket = 8 lbs
Cold Weather Kit = 15 lbs
Cross-Country Kit = 20 lbs
Survival Kit = 4 lbs

FAR 91.103 – Preflight Action

Weather

Performance Calculations

Departure Weather	Departure Runway Lengthft Takeoff Weightft			
Temp°C Dewpoint°C Surface Winds° @kts	Arrival Runway Lengthft Service Ceilingft			
	Takeoff Distance: Ground Rollft 50' Obsft			
Crosswind Componentkts Headwind Componentkts	Landing Distance: Ground Rollft 50' Obsft			
Barometric Pressure"Hg Pressure Altitude	<u> </u>			
Density Altitude	Passenger Approval This section is utilized if a passenger is not a North Star Aviation student. This form must be accompanied by a passenger waiver form. Appointments for aircraft rentals and passenger			
	approval must be reserved at least 5 business days in advance to ensure an appointment can			
Destination Weather (required for flights to another airport that isn't MKT)	be scheduled on the day of the rental.			
Temp°C Dewpoint°C Surface Winds° @kts	The following passenger(s) is/are approved to accompany this flight:			
Crosswind Componentkts Headwind Componentkts				
Barometric Pressure"Hg Pressure Altitude	Chief/Assistant Chief Signature			
Density Altitude				
Certification				
By signing below, I acknowledge the following:				
1. The information on this form is true, accurate, and it was prepared for the s	specific conditions of my flight today.			
I am on Lesson #, and I have reviewed the lesson objective, complet the lesson.	ion standards, reading/study materials, and all training items required to complete			
3. I have checked all NOTAMS for my route of flight.				
4. IMSAFE				
5. I am responsible for ensuring my flight is completed by the next maintenant	ce event, and I have checked the deferred squawks binder.			
Student Signature:	IP Signature:			