

Genesis Aero

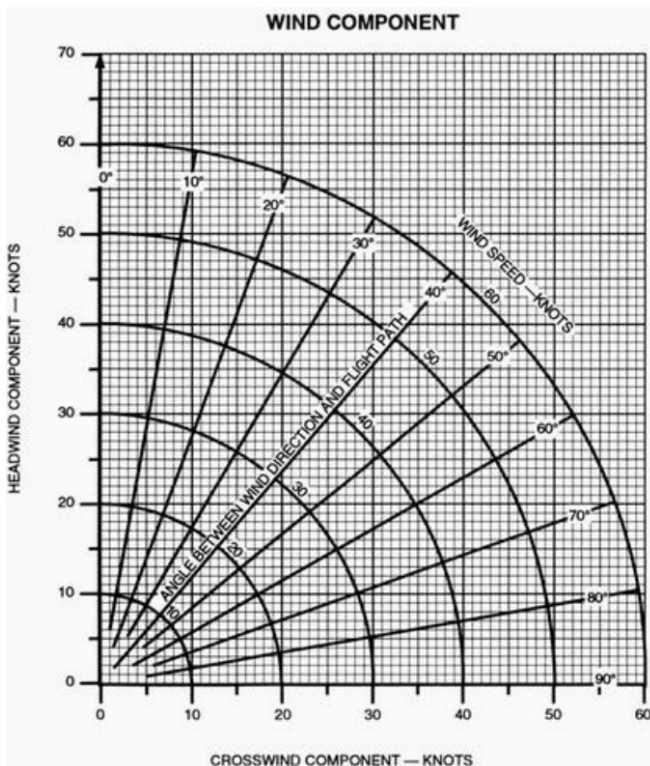
Aircraft Weight and Balance

Weight X Arm = Moment

	WT	ARM	MOMENT
Basic Empty Weight			
Pilot			
Front Passenger			
Fuel (6 lb/gal)			
Rear Passengers			
Baggage (area 1)			
Baggage (area 2)			
Ramp Weight			
Minus fuel for Engine Start, Taxi, and Run-up			
Takeoff Weight			
Minus est. fuel burn (climb and cruise) 6lb/gal			
Landing Weight			

Pressure Altitude:	_____
Temperature:	_____
Density Altitude:	_____
Take-off Ground Roll:	_____
Total dist. to clear 50ft obst.	_____
Landing Ground Roll:	_____
Total dist. to land over 50ft obst.	_____
Headwind:	_____
Crosswind:	_____
Maneuvering Speed (Takeoff):	_____
Maneuvering Speed (Landing):	_____

Formulas:
 PA = [29.92 - altimeter setting] x 1000 + field elevation
 DA = (current temp - standard temp at field elev) x 120 + PA
 $V_a = V_a \times \sqrt{\text{current weight} / \text{max gross weight}}$



Aircraft	Empty Wt	Moment
N18LW	1679.50	65401.5
N62AW	1692.70	66271.04
N716MW	1655.40	65087.18
N1232G	1699.40	68741.16
N5327G	1698.10	69847.19
N685SP	1646.90	63341.4
N855SP	2041.50	79791.7
N384CP	2183.10	306291
N50MF	2173.00	307,349.12

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