

PRE FLIGHT PERFORMANCE AND LOADING GUIDE SHEET C172N

ISA Sea Level pressure	1013	Hpa
Minus actual QNH		Hpa
Equals pressure difference (+ or -)		Hpa
x30ft per Hpa difference from ISA		x30
=		ft
Plus aerodrome elevation (VFG)		ft
Equals pressure Altitude (+ or -)		ft
Ambient air temperature (Metar)		°C
Runway Type (VFG)		
Runway Slope (VFG)		
Runway heading (Magnetic)		°Mg
Wind velocity (True)		°T
Wind velocity (Magnetic)		°Mg
Headwind component		kt
Crosswind component		kt
Take off distance (meters)		m
Landing distance (meters)		m
VFG = AIP Volume 4		

	Weight (lb)	x Arm (Inches)	= Moment
Aircraft Empty Weight			
Plus Pilot			
Equals Basic Operating Weight			
Plus Passenger next to Pilot			
Plus Passengers Rear sets			
Plus Baggage Aera 1			
Plus Baggage Aera 2			
Equals Zero Fuel Weight			
Plus Fuel (liters x 1.58)			
Equals Take off Weight			
Divide Total Moment by Weight to find Center of Gravity			

