

It is expressed in either degrees Celsius or degrees Fahrenheit.

**Standard Temperature**

**Standard Temperature** is 15°C at sea level pressure altitude and decreases by 2°C for each 1000 feet of altitude.

**Pressure Altitude**

**Pressure Altitude** is the altitude read from an altimeter when the altimeter's barometric scale has been set to 29.92 inches of mercury (1013 mb).

## ENGINE POWER TERMINOLOGY

**BHP**

**Brake Horsepower** is the power developed by the engine.

**RPM**

**Revolutions Per Minute** is engine speed.

**Static RPM**

**Static RPM** is engine speed attained during a full-throttle engine runup when the airplane is on the ground and stationary.

## AIRPLANE PERFORMANCE AND FLIGHT PLANNING TERMINOLOGY

**Demonstrated Crosswind Velocity**

**Demonstrated Crosswind Velocity** is the velocity of the crosswind component for which adequate control of the airplane during takeoff and landing was actually demonstrated during certification tests. The value shown is not considered to be limiting.

**Usable Fuel**

**Usable Fuel** is the fuel available for flight planning.

**Unusable Fuel**

**Unusable Fuel** is the quantity of fuel that can not be safely used in flight.

**GPH**

**Gallons Per Hour** is the amount of fuel consumed per hour.

**NMPG**

**Nautical Miles Per Gallon** is the distance which can be expected per gallon of fuel consumed at a specific engine power setting and/or flight configuration.

**g**

**g** is acceleration due to gravity.

# N 738AD

## CESSNA 172N SKYHAWK

**REGISTRATION**

**MODEL**

**SERIAL**

**DATE**

**\*RAMP WEIGHT INCLUDES OIL & UNUSEABLE FUEL**

N 738AD  
 CESSNA SKYHAWK C172 N  
 17269818  
 11/18/93

RAMP\*  
 FRONT SEAT  
 MIDDLE SEAT  
 BAGGAGE #1 (120# MAX)  
 BAGGAGE #2 (50# MAX)

TOTAL

FUEL MAIN POUNDS  
 40 GAL MAX @ 6#/GAL

TOTAL

WEIGHT #	ARM IN	MOMENT IN #
1515	37.32	56540
	37.00	
	73.00	
	95.00	
	123.00	
SUM	CG = MOM/WT	SUM
	48.00	
SUM	CG = MOM/WT	SUM

Vx 60 KTS  
 Vy 76 KTS  
 Vfe 85 KTS  
 V land 65 KTS  
 V max glide 65 KTS

CABIN LOAD  
 FULL FUEL 40 G 645

### WEIGHT & BALANCE ENVELOPE

