

## Cessna 172SP AIRCRAFT PERFORMANCE

N \_\_\_\_\_ Cessna 172\_\_ Year: \_\_\_\_\_ HP: \_\_\_\_\_

Inspections	Weight Limits
Annual _____ ELT Batt _____	Max Ramp Wt. <u>2558 lb.</u>
100 Hr. _____ Xpndr _____	Max T/O Wt. <u>2550 lb.</u>
(tach) _____	Useful Load _____
AD Cur yes / no Squawk go / nogo	Max Baggage _____
	Fuel Capacity <u>56 gal.</u>
	Usable Fuel <u>53 gal.</u>

Weight and Balance Calculation			
ITEM	WEIGHT	ARM	MOMENT
<b>EMPTY WEIGHT</b>			
Pilot & Co-Pilot	_____	37.0	_____
Rear Seat Passengers	_____	73.0	_____
Baggage Area 1 (120 lbs.)	_____	95.0	_____
Baggage Area 2 (50 lbs.)	_____	123.0	_____
Fuel (_____ gal usable)	_____	48.0	_____
Ramp Weight (2558* lbs.)	_____		_____
Start, Taxi, Runup Fuel	_____	48.0	_____
Takeoff Weight (2550* lbs.)	_____		_____
Takeoff C.G. (see chart)	_____		_____
Estimated Fuel Burn	_____	48.0	_____
Landing Weight	_____		_____
Landing C.G. (see chart)	_____		_____

Performance Calculation	
ATIS wind: _____ @ _____ C/dew: _____ / _____ Alt: _____ Rwy: _____	
Press Alt: _____ Density Alt: _____ X-Wind: _____ H-Wind: _____	
<b>Takeoff Distance (Short Field Technique)</b>	
Ground Roll: _____	ft.
Total Distance to Clear a 50-foot obstacle: _____	ft.
<b>Landing Distance (Short Field Technique)</b>	
Ground Roll: _____	ft.
Total Distance to Clear a 50-foot obstacle: _____	ft.
<b>Headwind – decrease distance by 10% for each 9 kts</b>	
<b>Tailwind – increase distance by 10% for each 2 kts</b>	

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# WIND COMPONENTS



