

Cessna 172N AIRCRAFT PERFORMANCE

N _____ Cessna 172__ Year: _____ HP: _____

Inspections	Weight Limits
Annual _____ ELT Batt _____	Max Ramp Wt. _____
100 Hr. _____ Xpndr _____	Max T/O Wt. _____
(tach) _____	Useful Load _____
AD Cur yes / no Squawk go / nogo	Max Baggage _____
	Fuel Capacity _____
	Usable Fuel _____

Weight and Balance Calculation

ITEM	WEIGHT	ARM	MOMENT
EMPTY WEIGHT	_____	---.---	_____
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	_____
Takeoff Weight (2300* 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: _____

Takeoff Distance (Short Field Technique)
 Ground Roll: _____ ft.
 Total Distance to Clear a 50-foot obstacle: _____ ft.

Landing Distance (Short Field Technique)
 Ground Roll: _____ ft.
 Total Distance to Clear a 50-foot obstacle: _____ ft.

Headwind – decrease distance by 10% for each 9 kts

Tailwind – increase distance by 10% for each 2 kts

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Performance Calculation

ATIS wind: _____ @ _____ C/dew: _____ / _____ Alt: _____ Rwy: _____
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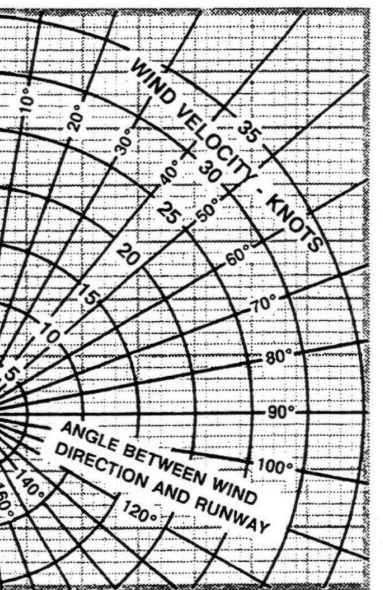
Takeoff Distance (Short Field Technique)
 Ground Roll: _____ ft.
 Total Distance to Clear a 50-foot obstacle: _____ ft.

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WIND COMPONENTS



5 10 15 20 25 30 35
CROSSWIND COMPONENT - KNOTS

