

Aircraft Weight and Balance Report

Results of Aircraft Weighing

Make: Cessna Model: 172

Serial Number: 29283 N #: 7183A

Datum Location: Firewall

Leveling Means: NONE

Scale Arms: Nose: -7.5 Left Main: 55.0 Right Main: 55.0

Scale Weights: Nose: 371.0 Left Main: 532.0 Right Main: 513.0

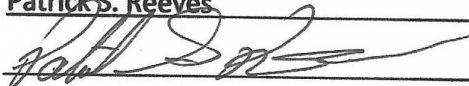
ITEM	SCALE (lbs.)	TARE WT (lbs.)	NET WT (lbs.)	ARM (inches)	MOMENT
Nose	371.0	0.0	371.0	-7.5	-2782.5
Left Main	532.0	0.0	532.0	55.0	29260.0
Right Main	513.0	0.0	513.0	55.0	28215.0
Subtotal	1416.0	0.0	1416.0	38.624	54692.5
Fuel					
Oil					
Misc					
Total	1416.0		1416.0	38.624	54692.5

Aircraft Current Empty Weight: 1416.0

Aircraft Current Empty Weight CG: 38.62

Aircraft Maximum Weight: 2200.0

Aircraft Useful Load: 784.00

Calculated By: Patrick S. Reeves


Certificate: 2671294 (I.A)

Date: 6/7/2022

I. Model 172 (cont'd)

Propeller and Propeller Limits	1. Propeller		
	(a) McCauley 1A170/DM		
	Static rpm at maximum permissible throttle setting:		
	Not over 2360, not under 2230		
	No additional tolerance permitted		
	Diameter: not over 76 in., not under 74.5 in.		
	(b) Spinner, Dwg. 0550162		
	2. Propeller		
	(a) Sensenich M74DR or 74DR		
	Static rpm at maximum permissible throttle setting:		
	Not over 2430, not under 2300		
	No additional tolerance permitted		
	Diameter: not over 74 in., not under 72.0 in.		
	(b) Spinner, Dwg. 0550162		
	3. Propeller		
	(a) McCauley 1C172/MDM 7652, 53, or 55	30 lb. (-39.0)	
	Static rpm at maximum permissible throttle setting:		
	Not over 2350, not under 2250		
	No additional tolerance permitted		
	Diameter: not over 76 in., not under 74.5 in.		
	(b) Spinner, Dwg. 0550216		
*Airspeed Limits (CAS)	Maneuvering 115 mph (100 knots)		
	Maximum structural cruising	140 mph (122 knots)	
	Never exceed 160 mph (139 knots)		
	Flaps extended	100 mph (87 knots)	
C.G. Range	Normal	(+40.8) to (+46.4) at 2200 lbs. (+36.4) to (+46.4) at 1733 lbs.	
	Utility category	(+38.4) to (+40.3) at 1950 lbs. (+36.4) to (+40.3) at 1733 lbs. or less	
	Straight line variation between points given.		
Empty Weight C.G. Range	None		
*Maximum Weight	Normal category	2200 lbs.	
	Utility category	1950 lbs.	
Number of Seats	4 (2 at +36, 2 at +70) (For child's optional jump seat, refer to Equipment List.)		
Maximum Baggage	120 lbs. (+95)		
Fuel Capacity	42 gal. total, 37 gal. usable (two 21 gal. tanks in wings at +48) <i>See Note 1 for weight of unusable fuel and oil.</i>		
Oil capacity	2 gal. (-20), includes 1 gal. unusable		
Control Surface Movements	Wing flaps	Takeoff	Retracted 0° 1st notch 10° 2nd notch 20° 3rd notch 30° 4th notch 40°
		Landing	
Control Surface Movements (cont'd)	Ailerons	Up 20°	Down 14°
	Elevator tab	Up 28°	Down 13°
	Elevator	Up 28°	Down 26°
	Rudder	Right 16°	Left 16°
Serial Numbers Eligible	610, 612, 615, 28000 through 29999, 36000 through 36999 and 46001 through 46754		