

TOTAL PERFORMANCE VAN'S AIRCRAFT

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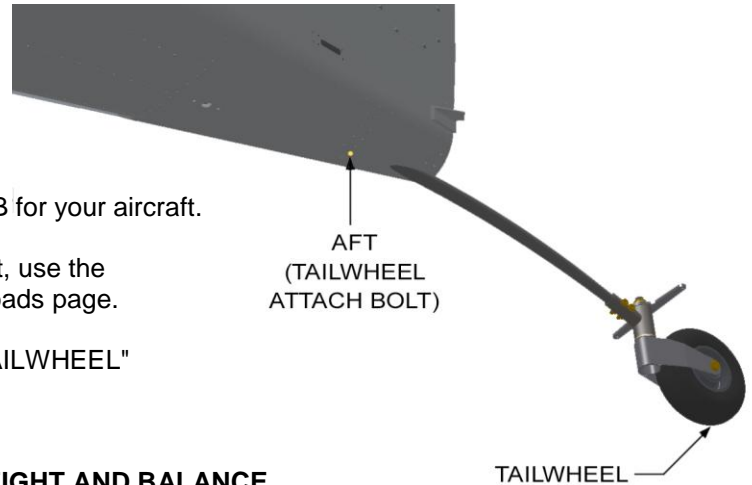
Van's aircraft has received a number of requests from builders for an example weight and balance for the RV-14. The weight and balance documents for the RV-14 (N144VA) and RV-14A (N214VA) as of January 7, 2016 are provided below.

These are provided as **SAMPLES ONLY**.

Arms and weights will vary between aircraft and require individual calculation. Refer to the RV-14 and RV-14A Weight and Balance Data Quick Reference files available from the Van's Aircraft [downloads page](#) to calculate the W&B for your aircraft.

For rough estimations of locations within the aircraft, use the 1:1 scale 3 view drawings also found on the downloads page.

For Taildragger Aircraft, use either the "AFT" or "TAILWHEEL" locations to measure the aft weight.



RV-14 N144VA WEIGHT AND BALANCE

DATUM: 72 INCHES FORWARD OF WING LEADING EDGE
 WING LEADING EDGE 14.5 INCHES AFT OF AFT SIDE OF FIREWALL
 CG RANGE LIMITS: FWD LIMIT: 82.08 18%
 AFT LIMIT: 88.24 29%

EMPTY AIRCRAFT

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
LEFT WHEEL	577	71.72	41382
AFT	75	230.38	17279
TAIL WHEEL		255.5	
RIGHT WHEEL	582	71.66	41706
	1234	81.33	100367
		16.67	%

RV-14A N214VA WEIGHT AND BALANCE

DATUM: 72 INCHES FORWARD OF WING LEADING EDGE
 WING LEADING EDGE 14.5 INCHES AFT OF AFT SIDE OF FIREWALL
 CG RANGE LIMITS: FWD LIMIT: 82.08 18%
 AEROBATIC AFT LIM: 86 25%
 AFT LIMIT: 88.24 29%

EMPTY AIRCRAFT

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
LEFT WHEEL	436	97.44	42483
NOSE WHEEL	364	40.19	14628
RIGHT WHEEL	435	97.59	42453
	1239	80.61	99872
		15.37	%

All Weights (lb), Arms (in), Moments (in-lb)