

S 12048

Revision: 0

Date: 07/10/09

RV-12 WEIGHT & BALANCE WORKSHEET

AIRCRAFT: N270VA (registration)
12048 (serial number)

DATE: 11/19/14

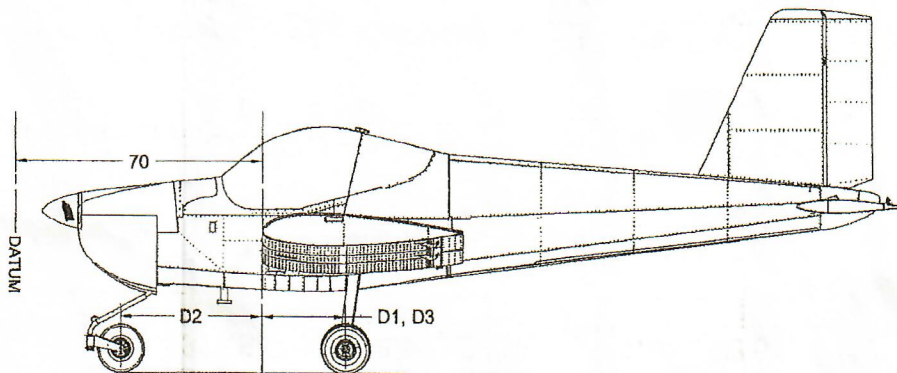


TABLE 1

	LEFT WHEEL	NOSE WHEEL	RIGHT WHEEL
WEIGHT	$\frac{303}{(W1)}$ lb	$\frac{148.5}{(W2)}$ lb	$\frac{317.5}{(W3)}$ lb
DISTANCE FROM AXLE CENTER TO LEADING EDGE	$\frac{23.5}{(D1)}$ inches	$\frac{40.5}{(D2)}$ inches	$\frac{23.5}{(D3)}$ inches

TABLE 2

	WEIGHT	ARM	MOMENT
LEFT WHEEL	$\frac{303}{(W1)}$ lb	$(70 + \frac{23.5}{(D1)}) = \frac{93.5}{(A1)}$ inches	$(\frac{303}{(W1)}) * (\frac{93.5}{(A1)}) = \frac{28,330.5}{(M1)}$ in-lb
NOSE WHEEL	$\frac{148.5}{(W2)}$ lb	$(70 - \frac{40.5}{(D2)}) = \frac{29.5}{(A2)}$ inches	$(\frac{148.5}{(W2)}) * (\frac{29.5}{(A2)}) = \frac{4,380.75}{(M2)}$ in-lb
RIGHT WHEEL	$\frac{317.5}{(W3)}$ lb	$(70 + \frac{23.5}{(D3)}) = \frac{93.5}{(A3)}$ inches	$(\frac{317.5}{(W3)}) * (\frac{93.5}{(A3)}) = \frac{29,686.25}{(M3)}$ in-lb

EMPTY WEIGHT = $\frac{769}{(W1 + W2 + W3)}$ lb EMPTY ARM = $\frac{81.141}{(\text{Empty Moment} / \text{Empty Weight})}$ inches

EMPTY MOMENT = $\frac{62,397.5}{(M1 + M2 + M3)}$ in-lb

Aircraft measured, weighed, and worksheet filled-out by: Chris Thelan
 Signature:  printed name