

Revision: 0

Date: 07/10/09

RV-12 WEIGHT & BALANCE WORKSHEET

AIRCRAFT: N982CA (registration)
18067 (serial number)

DATE: 03/22/2016

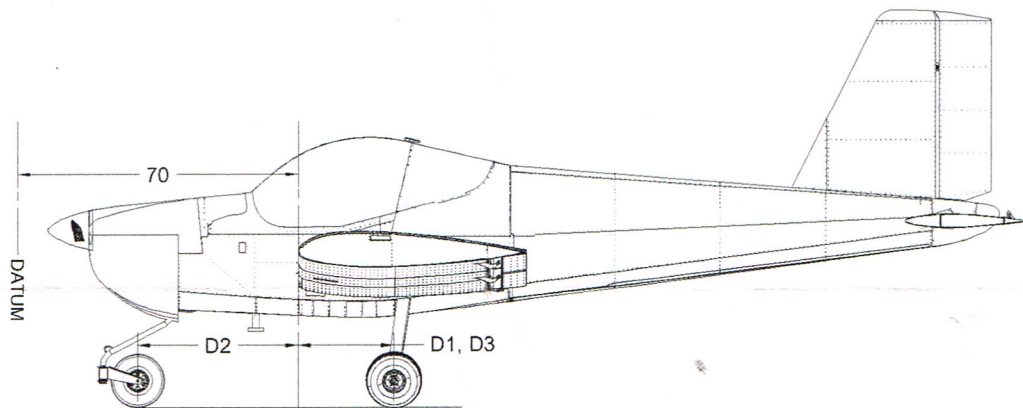


TABLE 1

	LEFT WHEEL	NOSE WHEEL	RIGHT WHEEL
WEIGHT	<u>304.5</u> lb (W1)	<u>159.0</u> lb (W2)	<u>322.0</u> lb (W3)
DISTANCE FROM AXLE CENTER TO LEADING EDGE	<u>23.50</u> inches (D1)	<u>46.50</u> inches (D2)	<u>23.50</u> inches (D3)

TABLE 2

	WEIGHT	ARM	MOMENT
LEFT WHEEL	<u>304.5</u> lb (W1)	$(70 + \frac{23.5}{D1}) = \frac{93.5}{A1}$ inches	$(\frac{304.5}{W1}) * (\frac{93.5}{A1}) = \frac{28,470.75}{M1}$ in-lb
NOSE WHEEL	<u>159.0</u> lb (W2)	$(70 - \frac{46.5}{D2}) = \frac{29.5}{A2}$ inches	$(\frac{159.0}{W2}) * (\frac{29.5}{A2}) = \frac{4,690.50}{M2}$ in-lb
RIGHT WHEEL	<u>322.0</u> lb (W3)	$(70 + \frac{23.5}{D3}) = \frac{93.5}{A3}$ inches	$(\frac{322.0}{W3}) * (\frac{93.5}{A3}) = \frac{30,107.00}{M3}$ in-lb

EMPTY WEIGHT = 785.5 lb
 $(W1 + W2 + W3)$
 EMPTY ARM = 80.5452 inches
 (Empty Moment / Empty Weight)

EMPTY MOMENT = 63,268.25 in-lb
 $(M1 + M2 + M3)$

Aircraft measured, weighed, and worksheet filled-out by: Ryan Marshall
 printed name

Signature: Ryan Marshall