

RV-12IS WEIGHT & BALANCE WORKSHEET

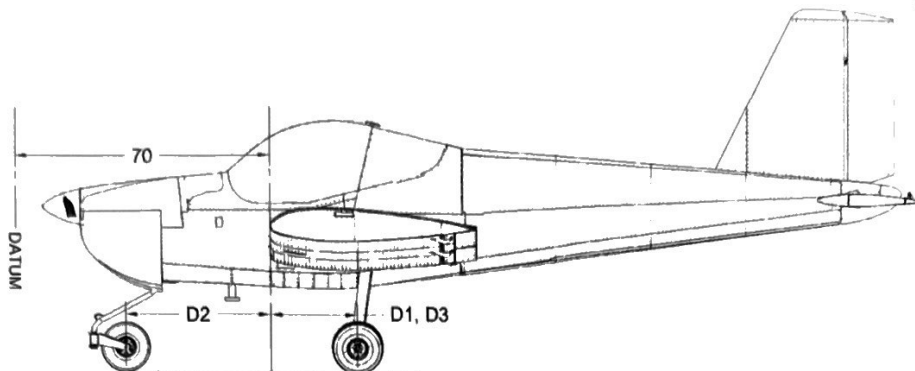
AIRCRAFT: N107TE (registration) 12142 (serial number)DATE: 05/29/2021

TABLE 1

	LEFT WHEEL	NOSE WHEEL	RIGHT WHEEL
WEIGHT	<u>307</u> lb (W1)	<u>155</u> lb (W2)	<u>309</u> lb (W3)
DISTANCE FROM AXLE CENTER TO LEADING EDGE	<u>23.9375</u> inches (D1)	<u>40.1875</u> inches (D2)	<u>23.8125</u> inches (D3)

TABLE 2

	WEIGHT	ARM	MOMENT
LEFT WHEEL	<u>307</u> lb (W1)	$(70 + \frac{23.9375}{1}) = \frac{93.9375}{1}$ inches (D1) (A1)	$(\frac{307}{1}) * (\frac{93.9375}{1}) = \frac{28838.8125}{1}$ in-lb (W1) (A1) (M1)
NOSE WHEEL	<u>155</u> lb (W2)	$(70 - \frac{40.1875}{1}) = \frac{29.8125}{1}$ inches (D2) (A2)	$(\frac{155}{1}) * (\frac{29.8125}{1}) = \frac{4620.9375}{1}$ in-lb (W2) (A2) (M2)
RIGHT WHEEL	<u>309</u> lb (W3)	$(70 + \frac{23.8125}{1}) = \frac{93.8125}{1}$ inches (D3) (A3)	$(\frac{309}{1}) * (\frac{93.8125}{1}) = \frac{28988.0625}{1}$ in-lb (W3) (A3) (M3)

EMPTY WEIGHT = 771 lb (W1 + W2 + W3) EMPTY ARM = 66.597805 inches (Empty Moment / Empty Weight)

EMPTY MOMENT = 80.9958 in-lb (M1 + M2 + M3)

Aircraft measured, weighed, and worksheet filled-out by: G. Van Grunsven
Printed Name/Title

G. Van Grunsven
Signature