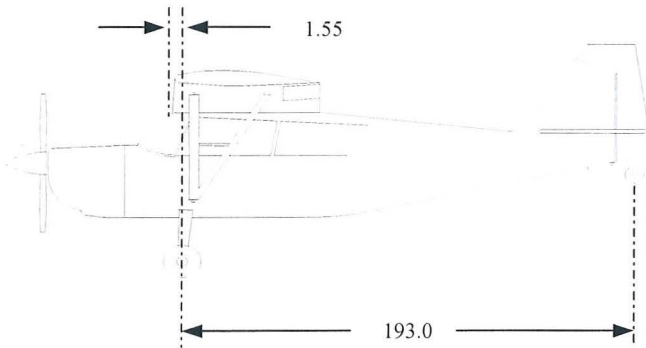


AMERICAN CHAMPION AIRCRAFT CORPORATION
ROCHESTER, WISCONSIN 53167

WEIGHT AND BALANCE WORKSHEET



Model Number: 8KCAB 210 HP
 Serial Number: 1132-2013
 Registration: N210XD
 Date: 10/9/2013

Signed: _____
(Signature)

Aircraft Leveling Means: Drop plumb line from wing leading edge so that it is 12.18 inches forward of front face fuselage wing strut fitting.

Weight Actual: 1333 lb

1. Left Wheel Weight:	640 lb	Right Wheel Weight:	631 lb
2. Tail Wheel Weight:	62 lb		
3. Total Aircraft Weight (Full Oil):	1333 lb		

$$C.G. = \left(\frac{193.0 \text{ in} \times 62 \text{ lb}}{1333 \text{ lb}} \right) + 1.55 \text{ in} = 10.53 \text{ in Aft of Leading Edge}$$

	WEIGHT (lb)	ARM (in)	MOMENT (in-lb)
Aircraft Weight with Full Oil	1333	10.53	14036
Subtract Drainable Oil (of 19 lb, 5 lb is undrainable)	-14	-34	+476
Add 0.75 Gallons Unuseable Fuel (Header Tank)	+4.5	-13	-58.5
Add 2.25 Gallons Unuseable Fuel (Wing Fuel Tanks)	+13.5	+26	+351
TOTALS	1337	XXXXXX	14805

AIRCRAFT EMPTY C.G.: 11.07 in Aft of Datum
 NORMAL CATEGORY USEFUL LOAD: 613 lb
 ACROBATIC CATEGORY USEFUL: 463 lb
 DATUM: Wing Leading Edge
 CENTER OF GRAVITY LIMITS:
 NORMAL CATEGORY (+ 14.7 in) to (+ 18.5 in) at 1950 lb
 ACROBATIC CATEGORY (+ 13.5 in) to (+ 18.5 in) at 1800 lb
 (+ 11.5 in) to (+ 18.5 in) at 1550 lb or less
 Straight line variation between points given.