

## WEIGHT & BALANCE FORM

JULY 1, 2018

N1182H

15AC AERONCA SEDAN

S/N: 15AC-192

AIRCRAFT WEIGHTED WITH ZERO FUEL, 7 QUARTS OIL WITH ELECTRONIC CALIBRATED SCALES

RIGHT MAIN: 606 LBS ARM: 0"

LEFT MAIN: 621 LBS ARM: 0"

TAIL WHEEL: 103 LBS ARM: 211"

TOTAL EMPTY WEIGHT: 1330 LBS NEW USEFUL LOAD 720 LBS G/W: 2050 LBS

EMPTY WEIGHT: 1330 LBS ARM: 17.2 MOMENT: 22960

### SAMPLE:

	WEIGHT	ARM	MOMENT
E/W:	1330	17.2	22960
FUEL:	210	10.0	2100
PILOT:	220	21.0	4935
PAX:	150	52.0	7800
BAG:	50	100.0	5000
<b>TOTAL:</b>	<b>1960</b>	<b>21.83</b>	<b>42975</b>

C/G RANGE: (+14.5 - +24.3)

~~D. Deenert~~  
COMPUTED BY: D. STALLKNECHT A&P 3360468

<b>N1182H</b>		<b>Aeronca 15AC</b>	<b>S/N</b>		
Empty Weight as of 6-21-18 = 1,330 lbs.					
CG Range is 14.5 to 24.3		Datum is leading edge of wing.			
		Gross Weight =	2,050 lbs.		
		Useful Load w/Full Fuel =	720 lbs.		
	<b>Gal</b>	<b>Weight</b>	<b>Arm</b>	<b>Moment</b>	
Aircraft Empty		1,330.0	17.2	22,876	
Pilot		235.0	21.0	4,935	
Right Seat		125.0	21.0	2,625	
Back Seat		250.0	52.0	13,000	
Fuel (35 gal)	20	120.0	10.0	1,200	
Baggage		100.0	80.0	8,000	<b>CG</b>
<b>Totals =</b>		<b>2,160.0</b>		<b>52,636</b>	<b>24.4</b>
	<b>Gal</b>	<b>Weight</b>	<b>Arm</b>	<b>Moment</b>	
Aircraft Empty		1,330.0	17.2	22,876	
Pilot		235.0	21.0	4,935	
Right Seat		125.0	21.0	2,625	
Back Seat		300.0	52.0	15,600	
Fuel (35 gal)	20	120.0	10.0	1,200	
Baggage		50.0	80.0	4,000	<b>CG</b>
<b>Totals =</b>		<b>2,160.0</b>		<b>51,236</b>	<b>23.7</b>
	<b>Gal</b>	<b>Weight</b>	<b>Arm</b>	<b>Moment</b>	
Aircraft Empty		1,330.0	17.2	22,876	
Pilot		235.0	21.0	4,935	
Right Seat		260.0	21.0	5,460	
Back Seat		260.0	52.0	13,520	
Fuel (35 gal)	35	210.0	10.0	2,100	
Baggage		100.0	80.0	8,000	<b>CG</b>
<b>Totals =</b>		<b>2,395.0</b>		<b>56,891</b>	<b>23.8</b>