

Taylorcraft BC12D N43972 S/N 7631 2/18/2008 GROSS WEIGHT 1280 lbs.  
LOADING SCHEDULES FOR MAX FOR AND AFT LOADING--- WITH WOOD PROP

empty weight w/new struts & metal prop	828.5	18.52	15340
metal prop	-21	-46	966
wood prop	10	-46	-460
<u>empty weight w/new struts &amp; wood prop</u>	<u>817.5</u>	<u>19.38</u>	15846

**full seats**

2/18/2008

347 lbs passengers, 0 baggage, 12 gal main fuel, 6 gal in wing tank, transfer wing fuel before main drops below 2.2 gal.

<u>aft limit</u>	<u>weight</u>	<u>arm</u>	<u>moment</u>	
empty weight w/new struts & wood prop	817.5	19.38	15846	
fuel- main	13	-9	-117	2.2 <=gal. fuel
fuel wing- RH	36	24	864	6.0 <=gal. fuel
fuel wing- LH	0	24	0	0.0 <=gal. fuel
oil	7.5	-21	-157.5	
passenger 1	170	23	3910	
passenger 2	177	23	4071	
baggage	0	40	0	
ac	1221	20.00	24416.5	20.00 <=range is 14.2 - 20.0
remaining usefull load, for main fuel, 59 lbs (9.8 gal.), transfer wing fuel before main tank drops below 2.2 gal	59	<=remaining usefull load		

**full tanks**

2/18/2008

max fuel all tanks 12 gal nose, 12 gal wings, 305 lbs in seats, 0 baggage, transfer wing fuel before main drops below 2.3 gal

<u>aft limit</u>	<u>weight</u>	<u>arm</u>	<u>moment</u>	
empty weight w/new struts & wood prop	817.5	19.38	15846	
fuel- main	14	-9	-126	2.3 <=gal. fuel
fuel wing- RH	36	24	864	6.0 <=gal. fuel
fuel wing- LH	36	24	864	6.0 <=gal. fuel
oil	7.5	-21	-157.5	
passenger 1	170	23	3910	
passenger 2	141	23	3243	
baggage	0	40	0	
ac	1222	20.00	24443.5	20.00 <=range is 14.2 - 20.0
remaining usefull load, for main fuel, 58 lbs. (9.66 gal.), transfer wing fuel before main tank drops below 2.3 gal	58	<=remaining usefull load		

**full baggage**

2/18/2008

50 lbs baggage, 12 gal fuel nose only, 0 gal wing, 192 lbs in seats,

<u>aft limit</u>	<u>weight</u>	<u>arm</u>	<u>moment</u>	
empty weight w/new struts & wood prop	817.5	19.38	15846	
fuel- main	24	-9	-216	4.0 <=gal. fuel
fuel wing- RH	0	24	0	0.0 <=gal. fuel
fuel wing- LH	0	24	0	0.0 <=gal. fuel
oil	7.5	-21	-157.5	
passenger 1	170	23	3910	
passenger 2	0	23	0	
baggage	50	40	2000	
ac	1069	20.00	21382.5	20.00 <=range is 14.2 - 20.0