

Pilot's weight and balance found in the airplane

2019

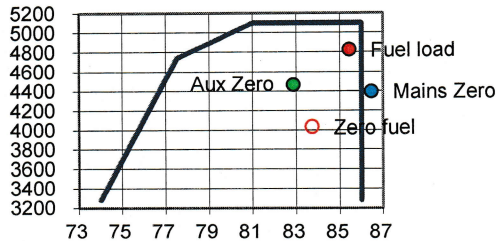
3 people

Weight and Balance for BEECHCRAFT BARON 95-B55 - **N8901U** Rev. 1/10/2008

Max. Cert. Weight = 5100 Lbs.(Max. take off); 5121 lbs Max. Taxi

Useful Weight = 1859 Lbs. (1,067 lbs w/ Full Fuel)

CG Location Limits = 74 to 86 inches aft of Datum:



74" - 3200 Lbs. MAX
74" - 3800 Lbs. MAX
77.5" - 4740 Lbs MAX
81" - 5100 Lbs MAX
86" - 5100 Lbs MAX

	Fuel (Gal.)	Weight	Arm(In.)	Moment (In.-lbs)
Basic Empty Weight		3,241	80.9	262,206
Pilot & Front Passenger		359	87.0	31,233
Aft Passenger 3rd		173	126.0	21,798
200lbs max fwd of rear spar		99	108.0	10,692
Nose Baggage; 270 lbs MAX		106	31.0	3,286
Rear Baggage; 400 lbs MAX		45	150.0	6,750
Ext.Rear Cargo; 120 lbs MAX		9	180.0	1,620
Fuel Mains (6lb/gal); 74 gal MAX	74	431	75.0	32,301
Fuel AUX. (6lb/gal); 62 gal MAX	62	361	117.0	42,218
TOTAL AIRCRAFT LOAD (<4,900 lbs best)		4,823.98		412,104.27

Assume 14 gal main burn (15 min, 1
start Aux burn. Burn in mains mo
= Total Moment (in-lbs)

AIRCRAFT CG = 85.43
+/- MAX. CERT. WEIGHT = 276

Takeoff Wt Zero Fuel Wt
Va@max=157 | Va (kts) = 152.75 140.57

Pilot's cargo calculations found in the airplane

2019

B2OSH Weights 2019

Item	Wt (lbs)
Sleeping bas (3)	11
Paco Pad (blue)	9
Paco Pad (Purple)	9
Paco Pad (green)	8
Tent (Big Coleman)	14
Gazebo	25
Camp Box	15
Chair (Blk Arm)	7
Chair (Blue Arm)	7
Chair (Blue Arm)	5
Chair (Director's)	7
Tie Down Bag	10
Diamond Plate (3)	9
Green Bag (food)	15
Red Bag (Towels)	8
White Cooler	15
Damon's Bag	15
Sarah's Bag	25
Dunacan's Bag	15
Dunacan's Pack	14
Aft Storage Box	9
Tool Box	17
Oil Box	12
Ditch Bag	28

9 Aft baggag

106 Nose bagg

99 Rear seats

45 Rear bagg

West Coast Wings
1401 #B South State St.
Ukiah, Ca 95482

REGISTRATION: N8910U

Computing New C.G.

	3288.46	77.64	255319.99
--	---------	-------	-----------

* ITEM NUMBERS WHEN LISTED IN THE PERTINENT AIRCRAFT SPECIFICATION MAY BE USED IN LIEU OF "ITEM, MAKE, AND MODEL"

Date 1/10/2008

NTSB postaccident cargo weight measurements and locations

Cargo weights. All lbs			Human holding cargo on scale = 164.4		
			White bag = 7 lbs (already subtracted from each first line)		
Cabin			Nose		
170.8	-164.4	6.4	174.4	-164.4	10
175.4	-164.4	11	182.2	-164.4	17.8
175.8	-164.4	11.4	176.8	-164.4	12.4
188.6	-164.4	24.2	184.2	-164.4	19.8
174.8	-164.4	10.4	180.2	-164.4	15.8
181.6	-164.4	17.2	174.8	-164.4	10.4
183.6	-164.4	19.2	171.8	-164.4	7.4
200.2	-164.4	35.8	186.8	-164.4	22.4
177.2	-164.4	12.8			
188	-164.4	23.6			116 lbs
186.2	-164.4	21.8			
171.8	-164.4	7.4			
174.2	-164.4	9.8			
184.6	-164.4	20.2	Total cargo		
172.2	-164.4	7.8	409.6 lbs		
170	-164.4	5.6			
181.6	-164.4	17.2			
188.8	-164.4	24.4			
169.4	-164.4	5			
166.8	-164.4	2.4			
293.6 lbs					

NTSB Weight and balance calculations

Pilots weight and balance replica by NTSB				
	Fuel (Gal.)	Weight	Arm(In.)	Moment (In.-lbs)
Basic Empty Weight		3241	80.9	262196.9
Pilot & Front Passenger		359	87.0	31233
Aft Passenger 3rd		173	126.0	21798
200 lbs max fwd of rear spar		99	108.0	10692
Nose Baggage; 270 lbs MAX		106	31.0	3286
Rear Baggage; 400 lbs MAX		45	150.0	6750
Ext.Rear cargo; 120 lbs MAX		9	180.0	1620
Fuel Mains (6lb/gal); 74 gal M	74	444	75.0	33300
Fuel AUX. (6lb/gal); 62 gal M	62	372	117.0	43524
		4848		414399.9
AIRCRAFT CG =		85.47852723	CG	
+/- MAX CERT. WEIGHT		252 lbs remaining		

NTSB postaccident weight and balance				
	Fuel (Gal.)	Weight	Arm(In.)	Moment (In.-lbs)
Basic Empty Weight		3241	80.9	262196.9
Pilot & Front Passenger		359	87.0	31233
Aft Passenger 3rd		173	126.0	21798
200 lbs max fwd of rear spar		200	108.0	21600
Nose Baggage; 270 lbs MAX		116	31.0	3596
Rear Baggage; 400 lbs MAX		83.6	150.0	12540
Ext.Rear cargo; 120 lbs MAX		9	180.0	1620
Fuel Mains (6lb/gal); 74 gal M	74	444	75.0	33300
Fuel AUX. (6lb/gal); 62 gal M	62	372	117.0	43524
Total weight		4997.6		431407.9
AIRCRAFT CG = 86.32301505 CG				
+/- MAX CERT. WEIGHT		102.4 lbs remaining		

<< We didn't weigh an

NTSB weight and balance with zero fuel				
	Fuel (Gal.)	Weight	Arm(In.)	Moment (In.-lbs)
Basic Empty Weight		3241	80.9	262196.9
Pilot & Front Passenger		359	87.0	31233
Aft Passenger 3rd		173	126.0	21798
200lbs max fwd of rear spar		200	108.0	21600
Nose Baggage; 270 lbs MAX		116	31.0	3596
Rear Baggage; 400 lbs MAX		83.6	150.0	12540
Ext.Rear cargo; 120 lbs MAX		9	180.0	1620
Fuel Mains (6lb/gal); 74 gal M	0	0	75.0	0
Fuel AUX. (6lb/gal); 62 gal M	0	0	117.0	0
Total weight		4181.6		354583.9
AIRCRAFT CG = 84.79622632 CG				
+/- MAX CERT. WEIGHT		918.4 lbs remaining		