

Date 11-Sep-21

Courtesy of Captain Rod Teel

Reference Seawind flight manual section 9, step 8. All weights in pounds.



Basic Airplane Weight			
	Weight	Arm	Moment
Nose	175	20	3500
Left Main	1293	154.5	199768.5
Right Main	1301	154.5	201004.5
Total empty weight and CG	2769	144.2	404273

Trip Planner			
	Hours	Gal/Hour	Fuel
Distance	200		
Average groundspeed	148		
Time enroute	1.35		
Taxi, takeoff, approach	0.4		
Total duration of flight	1.75		

Fuel Planner			
	Hours	Gal/Hour	Fuel
Duration of flight	2.00		42.00
Alternate & Holding	0		0.00
Reserves	1		21.00
Totals			63.00

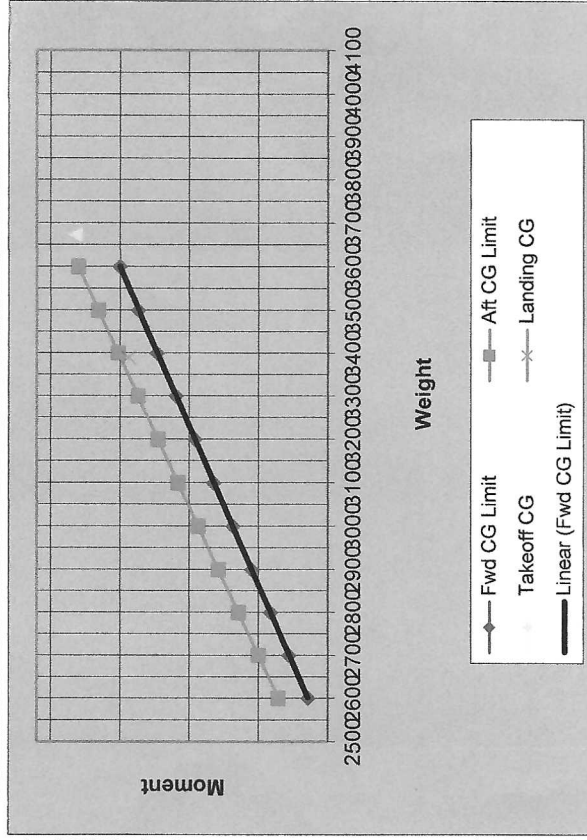
Weight and Balance			
	Quantity	Weight	Arm
Empty weight and cg from above		2769	144.2
Pilot	140	150	84
Copilot	5	5	84
Aft Passenger #1	0	0	118
Aft Passenger #2	0	0	118
Fuel onboard in gallons	90	603	137
Forward Luggage	5	5	24
Mid Luggage	40	40	132
Aft Luggage	100	100	170
Ballast	0	0	7
Total for Takeoff		3672	142.24
Fuel burn enroute & alt.	42.00	281.4	137
Total for Landing		3390.6	142.675

Moment			
	Weight	Arm	Moment
Empty weight and cg from above			404273
Pilot	150	84	12600
Copilot	5	84	420
Aft Passenger #1	0	118	0
Aft Passenger #2	0	118	0
Fuel onboard in gallons	603	137	82611
Forward Luggage	5	24	120
Mid Luggage	40	132	5280
Aft Luggage	100	170	17000
Ballast	0	7	0
Total for Takeoff	3672	142.24	522304
Fuel burn enroute & alt.	42.00	137	38551.8
Total for Landing	3390.6	142.675	483752.2

Annunciator Panel



Max takeoff weight	4000	Fwd CG Limit	136.2
Max landing weight	3950	Aft CG Limit	144.5



Basic Empty Weight and Balance

Make: Seawind Date: September 22, 2011

Model: 3000

Serial No: 153

Weighed By: Walter Hudson

Walter Hudson

Registration No: N71RJ

Certificate No: A&E 1072360

Reaction Wheel Jack Points	Scale Reading	Tare	Net Weight	Arm	Moment
Left Main	1293.00		1293.00		
Right Main	1301.00		1301.00		
Sub Total	2594.00	0.00	2594.00	154.50	400773.00
Nose	175.00		175.00	20.00	3500.00
Total (as weighed)	2769.00	0.00	2769.00		404273.00
Total Items Table I			0.00	0.00	0.00
Total Items Table II			0.00	0.00	0.00
Basic Aircraft	2769.00	0.00	2769.00	146.00	404273.00

Table I

Items weighed but not part of basic airplane	Weight	Arm	Moment
Aircraft was weighed with full oil which is included in the empty weight.			
Total			

Table II

Basic Items not in when weighed	Weight	Arm	Moment
Aircraft was weighed on electronic Evergreen load cells S/N 610-3C-692-693 & 908. Certification date August 24, 2011.			
Total			