

**WEIGHT & BALANCE CONTROL FORM**  
**CE560XLS NONSTANDARD LOADING**

DATE: \_\_\_\_\_

ACFT: \_\_\_\_\_

DESTINATION: \_\_\_\_\_

PAYLOAD COMPUTATIONS				WEIGHT & BALANCE COMPUTATIONS		
ITEM	ARM	WEIGHT	MOMENT	ITEM	WEIGHT	MOMENT
<b>BASIC EMPTY</b>				<b>1. BASIC OPERATING</b>		
NON-VARIABLES		777	160175.00	2. PAYLOAD		
<b>BASIC OPERATING</b>				3. ZERO FUEL WEIGHT (ADD 1 & 2)		
OCCUPANTS				<b>4. FUEL LOADING</b>		
SEAT 3	234.39			5. RAMP WEIGHT (ADD 3 & 4)		
SEAT 4	234.39			6. FUEL AT TAKEOFF (SUBTRACT 200 LBS)		
SEAT 5	286.54			7. <b>TAKEOFF WEIGHT</b> (ADD 3 & 6)		
SEAT 6	286.54			<b>T/O C.G. Inches</b>		
SEAT 7	322.62			<b>T/O % MAC</b>		
SEAT 8	322.62					
SEAT 10	205.6			8. EST. FUEL AT LANDING		
LAV BAGGAGE	357.5			7. <b>LANDING WEIGHT</b> (ADD 3 & 8)		
TAILCONE BAGGAGE	431			<b>Landing C.G. Inches</b>		
AFT CLOSET	374			<b>Landing % MAC</b>		
RAFT(S)	357.5					
<b>PAYLOAD</b>						

WEIGHT X ARM = MOMENT

MOMENT ÷ WEIGHT = C.G.

C.G. ARM - 306.59 ÷ .8223 = % MAC

WEIGHT SHIFT:

Weight Shifted X CG Moved

GWT X WT Moved

1. Weight Shifted
  2. GWT
  3. Distance C.G. Moved
  4. Wt Moved
- 1 X 4 ÷ 2 = 3

Moved Forward: Subtract from C.G    Moved Aft: Add to C.G.

Raft : Eastern Aero-Marine (10 or 11 Man) 66.5 lbs.

**Pax Weight**

Adult 190 lbs / 195 lbs Winter

Child 82 lbs / 87 lbs Winter

Pax Baggage 30 lbs

Total Weight

Adult 220 lbs / 225 lbs Winter

Child 112 lbs / 117 lbs Winter

\* Winter Weights 1 Nov - 30 April

## XL / XLS FUEL LOADING

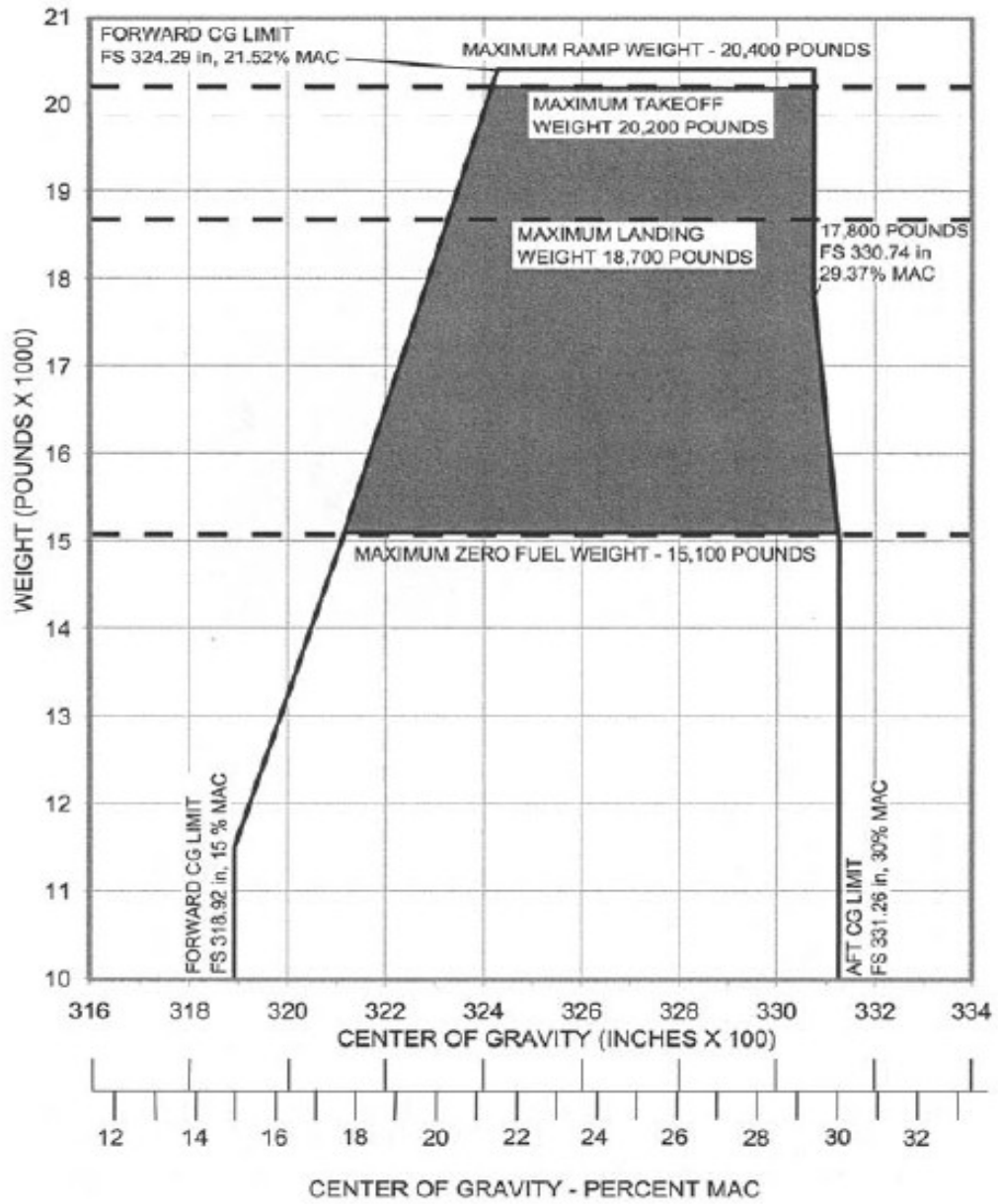
### WEIGHT MOMENT

100	34751
200	69502
300	103004
400	135672
500	168735
600	201457
700	233836
800	265873
900	298362
100	330685
1100	362842
1200	394834
1300	427249
1400	459589
1500	491853
1600	524043
1700	556539
1800	589005
1900	621440
2000	653846
2100	686494
2200	719138
2300	751777
2400	784412
2500	817098
2600	849784
2700	882470
2800	915156
2900	947860
3000	980565
3100	1013272
3200	1045980
3300	1078722
3400	1111467

### WEIGHT MOMENT

3500	1144215
3600	1176966
3700	1209761
3800	1242561
3900	1275367
4000	1308178
4100	1341041
4200	1373912
4300	1406791
4400	1439677
4500	1472626
4600	1505584
4700	1538553
4800	1571532
4900	1604652
5000	1637788
5100	1670940
5200	1704107
5300	1737480
5400	1770876
5500	1804294
5600	1837736
5700	1871241
5800	1904771
5900	1938326
6000	1971904
6100	2005419
6200	2038955
6300	2072512
6400	2106091
650	2139648
6600	2137225
6700	2206729
6800	2236955

# XLS WEIGHT & BALANCE



## CENTER OF GRAVITY & MAC