

Weight and Balance Loading Form (U.S. units)				
Ref	Item	Arm (in.)	Weight (lbs.)	Moment (in.lbs./100)
1	Basic Empty Weight (refer to figure 6-2)		3300	4639
2	Pilot (Station 111.22 in. - 117.36 in.)	114	230	262.2
3	Copilot (Station 111.22 in. - 117.36 in.)	114	222	253
4	Passenger(s) on Seats 3 + 4 (Station 155 in.) (refer to figure 6-5)		407	630.85
5	Passenger(s) on Seats 5 + 6 (Station 199 in.) (refer to figure 6-5)		80	159.2
6	Baggage (Station 226 in.) (Do not exceed max. weight in baggage compartment of 198 lbs.) (refer to figure 6-5)		0	0
7	Zero Fuel Weight (sub-total) (Do not exceed max. zero fuel weight of 4319 lbs)		4239	5944.25
8	Fuel Loading (refer to figure 6-6)		96	142.08
9	Ramp Weight (sub-total) (Do not exceed maximum ramp weight of 4407 lbs.)		4389	6086.33
10	Less Fuel For Taxiing (refer to figure 6-6)		6	8.88
11	Takeoff Weight (Do not exceed maximum takeoff weight of 4407 lbs.)		4299	6077.45
12	Less Fuel To Destination (refer to figure 6-6)			
13	Landing Weight			

Average basic weight from
POH

From last FAA medical

From last FAA medical

From last FAA medical

Average child weight by age
(6, 4) 50% from CDC
45# & 35#

Fuel req + Res = 50 min
or ~16 gallons

Assume 1 gal burned

Figure 6-4, Sheet 2
Weight and Balance Loading Form

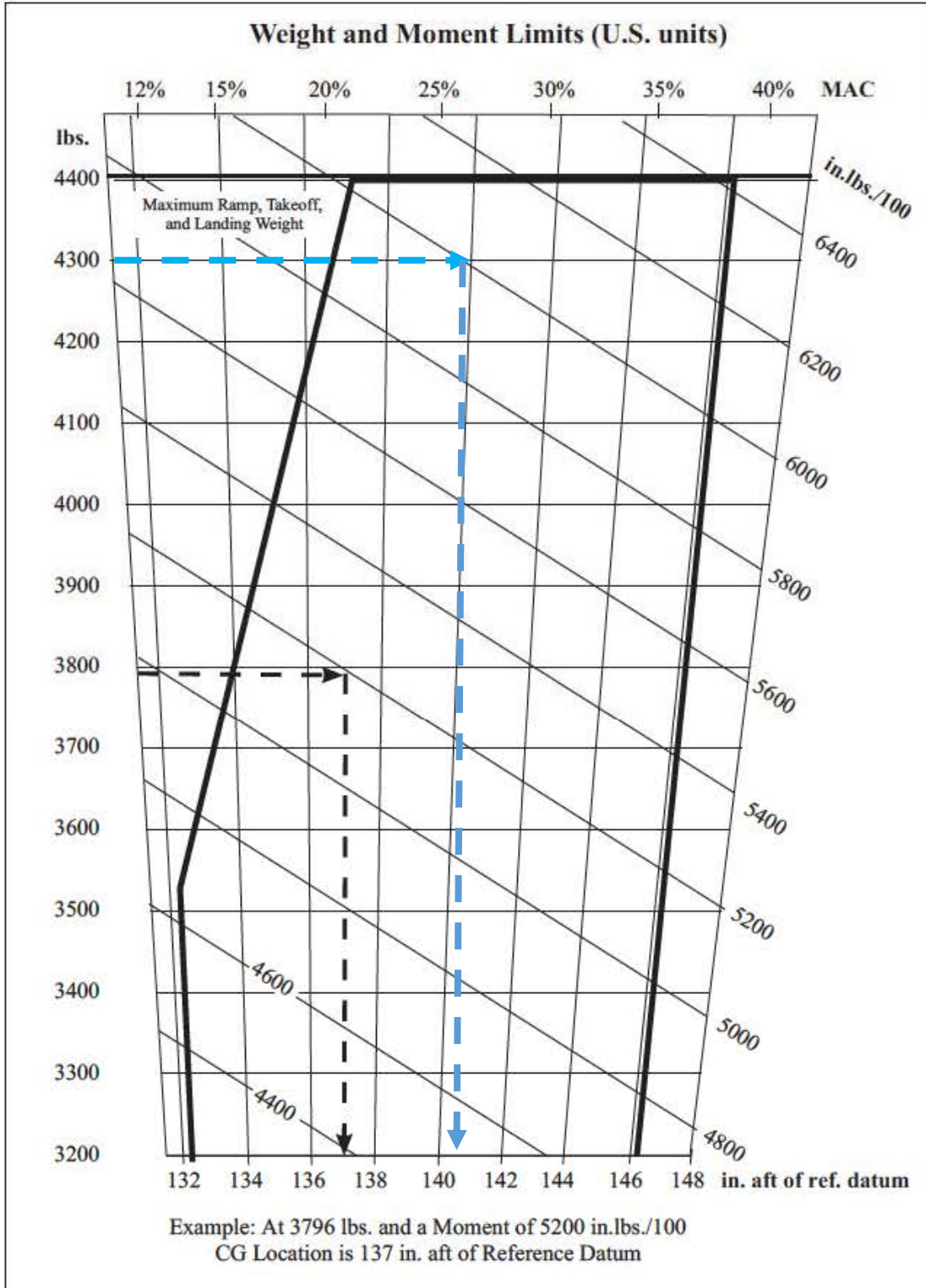


Figure 6-7, Sheet 2
Weight and Moment Limits

Weight and Balance Loading Form (U.S. units)				
Ref	Item	Arm (in.)	Weight (lbs.)	Moment (in.lbs./100)
1	Basic Empty Weight (refer to figure 6-2)		3300	4639
2	Pilot (Station 111.22 in. - 117.36 in.)	114	230	262.2
3	Copilot (Station 111.22 in. - 117.36 in.)	114	222	253
4	Passenger(s) on Seats 3 + 4 (Station 155 in.) (refer to figure 6-5)		80	124
5	Passenger(s) on Seats 5 + 6 (Station 199 in.) (refer to figure 6-5)		407	809.93
6	Baggage (Station 226 in.) (Do not exceed max. weight in baggage compartment of 198 lbs.). (refer to figure 6-5)		0	0
7	Zero Fuel Weight (sub-total) (Do not exceed max. zero fuel weight of 4319 lbs)		4239	6088.13
8	Fuel Loading (refer to figure 6-6)		96	142.08
9	Ramp Weight (sub-total) (Do not exceed maximum ramp weight of 4407 lbs.)		4389	6310.94
10	Less Fuel For Taxiing (refer to figure 6-6)		6	8.88
11	Takeoff Weight (Do not exceed maximum takeoff weight of 4407 lbs.)		4299	6319.82
12	Less Fuel To Destination (refer to figure 6-6)			
13	Landing Weight			

Average basic weight from POH

From last FAA medical

From last FAA medical

Average child weight by age (6, 4) 50% from CDC 45# & 35#

From last FAA medical

Fuel req + Res = 50 min or ~16 gallons

Assume 1 gal burned

Figure 6-4, Sheet 2
Weight and Balance Loading Form

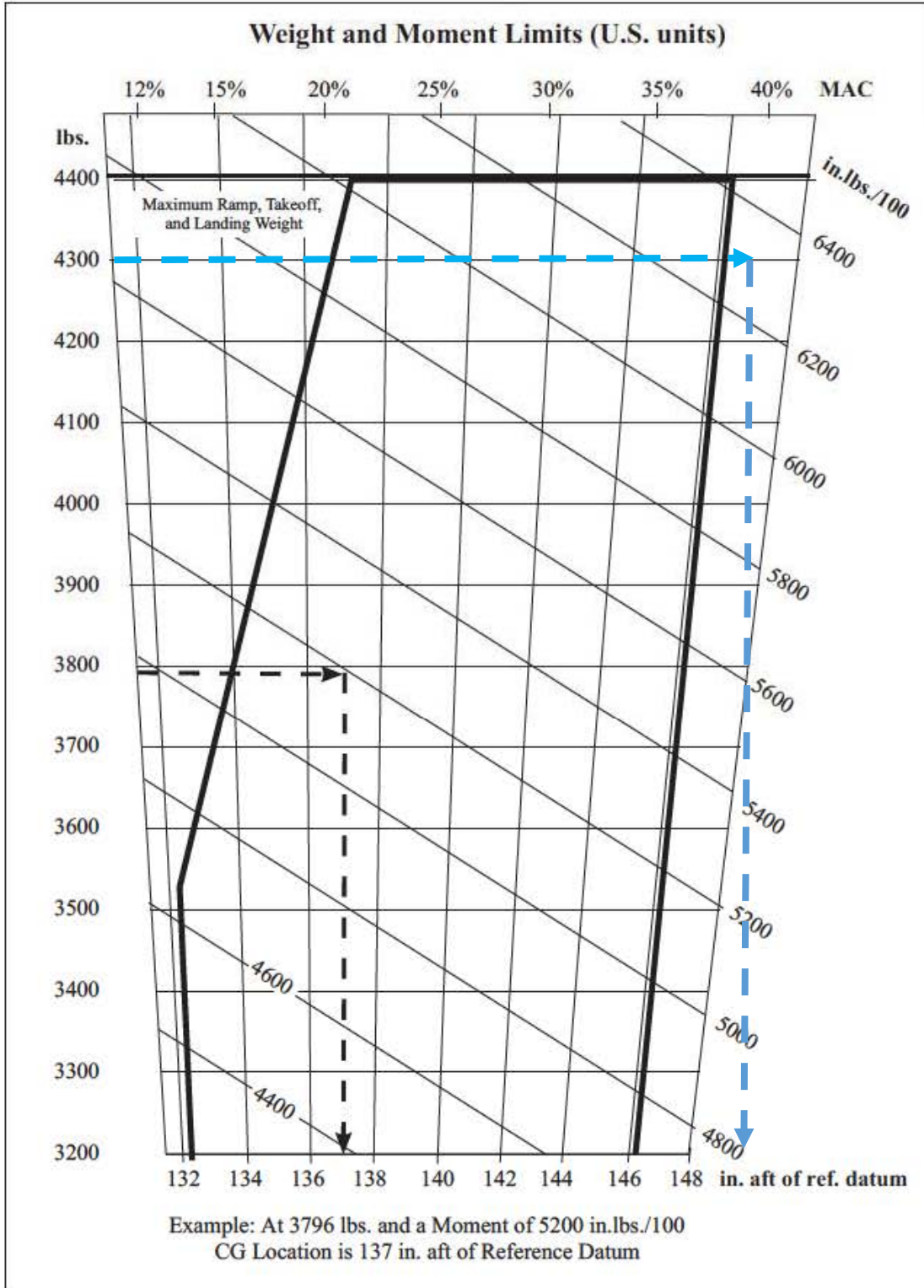


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