

WEIGHT AND BALANCE

Cessna 150

PH-VRW

Standard tanks (Fuel flow: 5,6 Gallon/h. = 21 Ltr./h.)

L tank fuel 13 usable 11,25 gallon. = 49 usable 42 ltr.

R tank fuel 13 usable 11,25 gallon. = 49 usable 42 ltr.

Total (AVGAS): 26 usable 22,5 gallon. = 98 usable 84 ltr.

1 gallon = 6 lbs. 1 ltr. = 0,72 kg.

Endurance: 4:00 h.

Oil cap: 6 qts. = 11 lbs. = 5 kg.

		Kg. X	lbs/kg.	Weight (lbs.)	Moment (lb.-ins/1000)	arm: in.
1. Licensed Empty Weight		521		1146	37,6	32,8
2. Oil (6 qts - Full oil may be assumed for all flights) included in Basic Weight.						
<i>The basic weight includes the weight of unusable fuel.</i>						
3. Fuel R tank	20 ltr. x 0,2642 gallon/ltr. =	5,3	Gallon x	32	1,2	39,37
Fuel L tank	20 ltr. x 0,2642 gallon/ltr. =	5,3	Gallon x	32	1,2	39,37
4. Pilot and Passenger		170	lbs/kg.	374	14,6	39
5. Baggage - Area 1		2	lbs/kg.	4	0,3	61
6. Baggage - Area 2		0	lbs/kg.	0	0,0	84
7. TOTAL WEIGHT AND MOMENT				1588	54,9	

8. Locate this point on the center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.

Flying Goose

