

WEIGHT AND BALANCE

Cessna 150

G-BCVH

Long range tanks

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

L tank fuel

19 usable 17,5 gallon. = 72 usable 66 ltr.

R tank fuel

19 usable 17,5 gallon. = 72 usable 66 ltr.

Total (AVGAS):

38 usable 35 gallon. = 144 usable 132 ltr. 1 gallon = 6 lbs. 1 ltr. = 0,72 kg.

Endurance: 6:00 h.

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

1. Licensed Empty Weight	544,5	Kg. X	2,2	lbs/kg.	1198	Moment (lb.-ins/1000)	39,5	arm: in.	33
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	ltr. x 0,2642 gallon/ltr. =	0,0	Gallon x	6					39,37
Fuel L tank	ltr. x 0,2642 gallon/ltr. =	0,0	Gallon x	6					39,37
4. Pilot and Passenger		Kg. =	2,2	lbs/kg.					39
5. Baggage - Area 1		Kg. =	2,2	lbs/kg.					64
6. Baggage - Area 2		Kg. =	2,2	lbs/kg.					84
7. TOTAL WEIGHT AND MOMENT									

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

