TTT- Aviation Oy Ltd.

W/B / Performance calculation
Cessna 150 OH-CBI 15.4.2012

Date: _____ / _____ / _____

PIC: _____ Student: _____

Route: _____

Prepared : _____

Approved by:_____

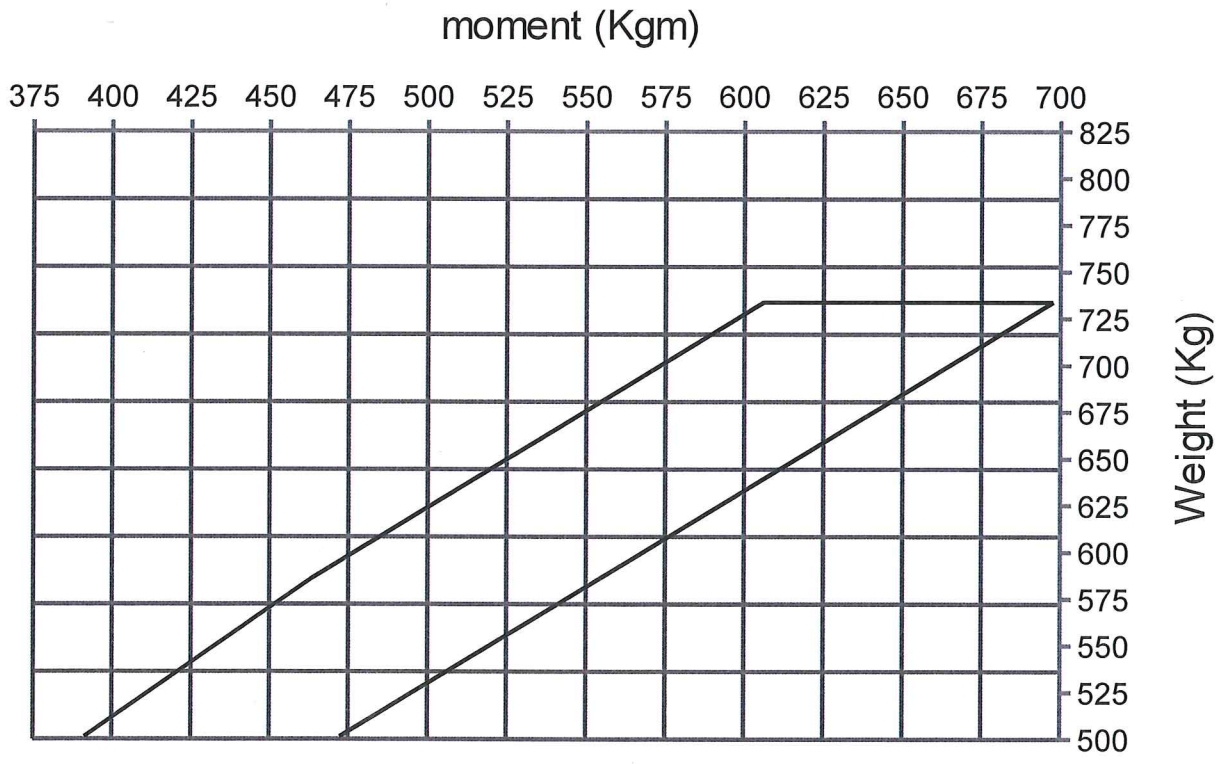
WEIGHT & BALANCE			
	MASS	ARM	MOM.
BASIC WEIGHT (BW)	525,0	-	445,4
FRONT SEATS		1	
BAGGAGE AREA 1 (max 54 kg)		1,63	
BAGGAGE AREA 2 (max 18 kg)		2,13	
ZERO FUEL WEIGHT		-	
FUEL (max 59,8 kg)		1,07	
RAMP WEIGHT		-	
TAXI FUEL	- 2	1,07	- 2,1
T/O WEIGHT		-	
ENROUTE FUEL		1,07	
LDG WEIGHT AT DEST.		-	

BASIC DATA					
A/C	MTOW - kg	BW - kg	Usable fuel	Max. fuel	MOM - kgm
OH-CBI	726	525,0	83 l / 59,8 kg	98 l / 70,6 kg	445,4

SEATS 1 & 2	
Weight	MOM.
kg	kgm
50	50
55	54
60	59
65	64
70	69
75	74
80	79
85	84
90	89
95	94

BAGGAGE (max 54 kg)		
Weight	MOM - kgm	
kg	Fwd	Aft
2	3	4
4	7	9
6	10	13
8	13	17
10	16	21
18	29	38
30	49	-
40	65	-
50	82	-
54	88	-

FUEL		
QTY	Weight	Moment - kgm
litres	kg	
5	3,6	3,8
10	7,1	7,6
20	14,2	15,2
30	21,3	22,1
40	28,4	28,4
50	35,5	37,6
60	42,6	42,6
70	49,7	53,2
80	56,8	60,8
90	63,9	68,4
98	70,6	75,5



TTT - Aviation Oy PERFORMANCE CALCULATION C150 OH-CBI

CESSNA 150 OH-CBI TAKE-OFF DISTANCE

CONDITIONS:
Flaps up / Hard surfaced, level, dry runway / Wind calm
NOTES:

1. Increase distance by 10 % for each 19°C exceeding standard temperature.
2. For operations on a dry grass runway, increase distances by 7% of ground roll figure.
3. Distances in meters
4. 15 m column = take-off distance over 15 m obstacle

TOW kg	SPEED @ 15 m ALTITUDE KIAS	HEAD-WIND KTS	0 ft AMSL +15~C		2500 ft AMSL +10~C		5000 ft AMSL +5~C		7500 ft AMSL 0~C	
			GND ROLL	15 m	GND ROLL	15 m	GND ROLL	15 m	GND ROLL	15 m
726	61	0	224	422	277	506	340	605	415	744
		10	152	315	192	381	238	460	296	572
		20	93	223	120	271	154	332	195	419

CESSNA 150 OH-CBI LANDING DISTANCE

CONDITIONS:
Flaps 40° / Idle power / Hard surfaced, level, dry runway / Wind calm
NOTES:

1. Decrease distances by 10 % for each 4 kts of head wind.
2. Increase distances by 10% for each 33°C exceeding standard temperature.
3. When operating on a dy grass runway, increase distance by 20 % of landing distance over 15 m obstacle.
4. Distances in meters.
5. 15 m column = Landing distance over 15 m obstacle

LDG WEIGHT kg	SPEED @ 15 M ALTITUDE KIAS	0 ft AMSL +15~C		2500 ft AMSL +10~C		5000 ft AMSL +5~C		7500 ft AMSL 0°C	
		GND ROLL	15 m	GND ROLL	15 m	GND ROLL	15 m	GND ROLL	15 m
726	52	136	326	143	346	151	364	158	383

TAKE-OFF RUN AVAILABLE		LANDING RUN AVAILABLE	
TAKE-OFF RUN REQUIRED		LANDING RUN REQUIRED	
TAKE-OFF DISTANCE TO 15 m / 50 FT		LANDING DISTANCE FROM15 ft / 50 FT	
CROSSWIND COMPONENT		HEADWIND COMPONENT	

RUNWAY AVAILABLE

EFHF 18/36 TORA = TODA = 1280 m, LDA 18 = 1080 m, LDA 36 = 1160 m
EFHF 09/27 TORA = TODA = 1024 m, LDA 09 = 1024 m, LDA 27 = 985 m
EFTP 06/24 TORA = TODA = LDA = 2700 m
EFTU 08/26 TORA = TODA = LDA = 2500 m

MAXIMUM CROSSWIND-COMPONENT = 12 KTS

9.8.2012