Nordicflite Oy Ltd.
TTT-Aviation Oy Ltd

W/B / Performance calculation
Cessna 150 OH-CBI 25.1.2015

Date: _____ / _____ / _____

PIC: _____ Student: _____

PAX: _____

Route: _____

Prepared : _____

Approved by:_____

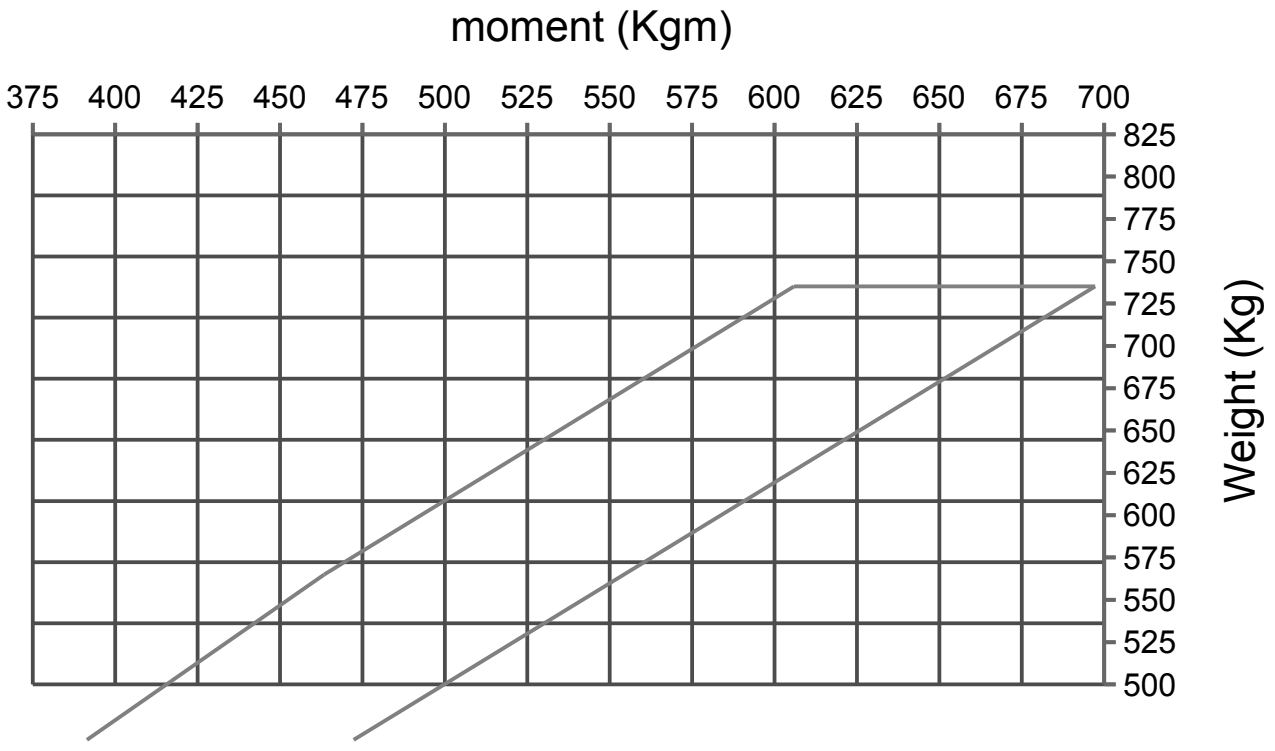
WEIGHT & BALANCE			
	MASS	**ARM**	**MOM.**
BASIC WEIGHT (BW)	525,0	-	445,4
FRONT SEATS		1	
BAGGAGE AREA 1 (max 54 kg)		1,63	
BAGGAGE AREA 2 (max 18 kg)		2,13	
ZERO FUEL WEIGHT		-	
FUEL (max 59,8 kg)		1,07	
RAMP WEIGHT		-	
TAXI FUEL	- 2	1,07	- 2,1
T/O WEIGHT		-	
ENROUTE FUEL		1,07	
LDG WEIGHT AT DEST.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

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
Consumption	**24 l/h**	



Nordicflite Oy Ltd PERFORMANCE CALCULATION C150 OH-CBI
TTT-Aviation Oy Ltd

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

Departure			Destination
QNH		QNH	
TEMPERATURE		TEMPERATURE	
PRESSURE ALTITUDE (at AD)		PRESSURE ALTITUDE (at AD)	
TAKE-OFF RUN AVAILABLE		LANDING RUN AVAILABLE	
GROUND ROLL REQUIRED @ TAKE-OFF		GROUND ROLL REQUIRED @ LANDING	
TAKE-OFF DISTANCE TO CLEAR 50 FT OBSTACLE		LANDING DISTANCE REQUIRED TO CLEAR 50 FT OBSTACLE	
EXPECTED RUNWAY, WIND, CROSSWIND, HEADWIND COMPONENT		EXPECTED RUNWAY, WIND, CROSSWIND, HEADWIND COMPONENT	

Personal maximun crosswind component (kts)	

MAXIMUM CROSSWIND COMPONENT OH-CBI 12 KTS
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
EFLP 06/24 TORA = TODA = LDA = 2500 m

25.1.2015