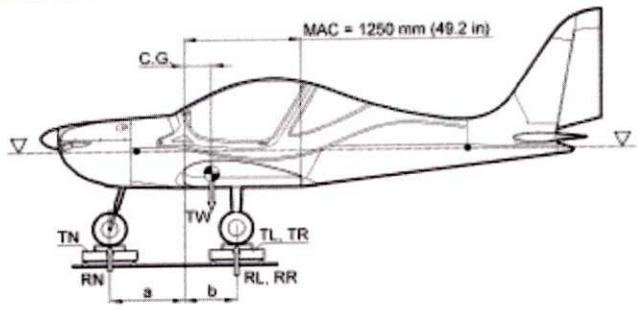
CYCLOON HOLLAND
AIRCRAFT-PARTS - SERVICE AND MORE!

Mass & Balance Report

Work Order No.	19015	Date:	31-1-2019	A/C Reg. No.	PH-RTC
		Aircraft type:	Evektor SportStar RTC		
		Aircraft S/N:	2012 1403		



Item	Unit	Value reading R_I	Weight of rests T_I	Net weight $NW = R_I - T_I$
Nose wheel	kg/lbs	R_N = 76,2	T_N = 0	NW_N = 76,2
Left main wheel	kg/lbs	R_L = 140.0	T_L = 0	NW_L = 140.0
Right main wheel	kg/lbs	R_R = 133.8	T_R = 0	NW_R = 133.8
Measured distances	mm/in	a = 767		
	mm/in	b = 564		

Basic weight and centre of gravity of the empty airplane			
Item	Unit	Formula	Calculated value
Total weight	kg	$TW = NWN + NWL + NWR$	350.0
Centre of gravity position	mm/in	$C.G. = \frac{(NW_L + NW_R) \times b - NW_N \times a}{TW}$	274,22
Centre of gravity position	%SAT	$\overline{C.G.} = \frac{C.G.}{SAT} \cdot 100$	21,9
Permitted tolerance		$\overline{C.G.}$ = 20%SAT ± 2%	
		TW = 335 kg ± 2%	

	Basic Empty Weight and Balance		
	Weight	Arm	Moment
(KGH.MTR)	350,00	1,28	274,22

Mass and Balance carried out by:

NAME: R. Waucomont **LICENCE NUMBER: NL.MF.3067** **SIGNATURE:**

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