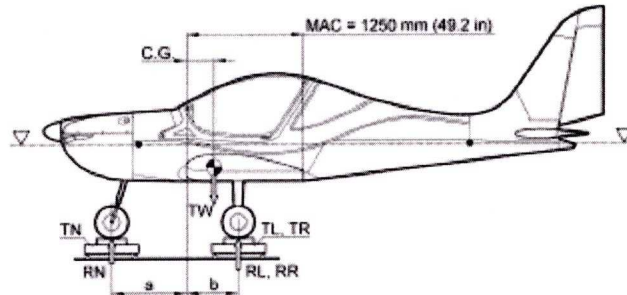


# Mass & Balance Report

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	$R_N = 76,2$	$T_N = 0$	$NW_N = 76,2$
Left main wheel	kg	$R_L = 740,0$	$T_L = 0$	$NW_L = 140,0$
Right main wheel	kg	$R_R = 133,8$	$T_R = 0$	$NW_R = 133,8$
Measured distances	mm	$a = 767$		
	mm	$b = 564$		

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	$C.G. = \frac{(NW_L + NW_R) \times b - NW_N \times a}{TW}$	274,22
Centre of gravity position	%SAT	$C.G. = \frac{C.G.}{SAT} \cdot 100$	21,9
Permitted tolerance		$C.G. = 20\%SAT \pm 2\%$	
		$TW = 335 \text{ kg} \pm 2\%$	

Basic Empty Weight and Balance			
	Weight	Arm	Moment
(KGH.MTR)	350,00	0,28	98

Mass and Balance carried out by:

NAME: R. Waucomont

LICENCE NUMBER: NL.MF.3067

SIGNATURE:

