

Model: DA 62



Aircraft Specific Weighting Report

Aircraft Serial Number	62.C022
Registration	N502LA
Issue Date	February 5, 2020

Data with reference to the Type Certificate Data Sheet and the Flight Manual
 Reference Plane: Vertical plane 2196mm fwd of the leading edge at wing root rib
 Horizontal reference plane: Nose Baggage Floor Level

Equipment list dated February 5, 2020

ORIGINAL

Cause for weighing

Weight and Balance Calculations

Weight Condition:
 Include brake fluid, engine oil, cooling water, hydraulic oil, and unusable fuel
 unusable in aux tanks if installed, TKS with 1 litre if installed

Empty Weight

Support	Gross		Tare		Net Weight	
	kg	lbs	kg	lbs	kg	lbs
Front, G ₂	341.50	752.87	0.00	0.00	341.50	752.87
Main, G _{1LH}	684.90	1510.00	0.00	0.00	684.90	1510.00
Main, G _{1RH}	689.00	1519.00	0.00	0.00	689.00	1519.00
EMPTY WEIGHT, G					1715.40	3781.87

	Lever Arm	
	mm	in.
X ₂	850.00	33.46
X _{1LH}	2813.00	110.75
X _{1RH}	2809.00	110.59

Empty Weight Centre of Gravity, (X_{CG}):

Empty Weight CG Formula

$$X_{CG} = \frac{((G_{1LH} + G_{1RH}) * X_1) + (G_2 * X_2)}{G_2 + G_{1LH} + G_{1RH}} = \frac{2.421 \text{ m}}{95.30 \text{ in.}}$$

Empty Weight Moment, (M):

Empty Weight Moment Formula

$$M = G * X_{CG} = \frac{4152.98 \text{ kg-m}}{360412.21 \text{ in-lbs}}$$

Data to be entered into the Flight Manual:

Empty Weight, G:	1715.40 kg 3781.87 lbs	Empty Weight Moment, M:	4152.98 kg-m 360412.21 in-lbs
------------------	---------------------------	-------------------------	----------------------------------

Place: Date:	D.A.I.C - CYXU February 5, 2020	Authorizing Stamp Q 81	Authorizing Signature
-----------------	------------------------------------	---------------------------	-----------------------