

Model: DA 62



Aircraft Specific Weighting Report

Aircraft Serial Number	62.C021
Registration	N66AR
Issue Date	January 9, 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 January 9, 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	349.50	770.50	0.00	0.00	349.50	770.50
Main, G _{1LH}	666.80	1470.00	0.00	0.00	666.80	1470.00
Main, G _{1RH}	672.20	1482.00	0.00	0.00	672.20	1482.00
EMPTY WEIGHT, G					1688.50	3722.50

	Lever Arm	
	mm	in.
X ₂	850.50	33.48
X _{1LH}	2813.00	110.75
X _{1RH}	2812.00	110.71

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

Empty Weight CG Formula

$$X_{CG} = \frac{((G_{1LH} + G_{1RH}) * X_1) + (G_2 * X_2)}{G_2 + G_{1LH} + G_{1RH}} = \frac{2.406 \text{ m}}{94.74 \text{ in.}}$$

Empty Weight Moment, (M):

Empty Weight Moment Formula

$$M = G * X_{CG} = \frac{4062.53 \text{ kg-m}}{352669.65 \text{ in-lbs}}$$

Data to be entered into the Flight Manual:

Empty Weight, G:	1688.50 kg 3722.50 lbs	Empty Weight Moment, M:	4062.53 kg-m 352669.65 in-lbs
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Place: Date:	D.A.I.C - CYXU January 9, 2020	Authorizing Stamp Q 81	Authorizing Signature
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