



## WEIGHING REPORT

Model: DA 62

Serial Number: 62.C038

Registration N71BG

Data with reference to the Type Certificate Data Sheet and the Airplane Flight Manual.

Reference Plane: Vertical plane 2196mm (86.46in) in front of the leading edge of wing at the root rib.

Horizontal reference line: Front baggage compartment floor, right side.

Equipment Inventory dated: December 15, 2021

Cause for Weighing:

**ORIGINAL**

Weight and Balance Calculations (Weighing at the wheels)

Weight Condition: Include brake fluid, hydraulic fluid, coolant, engine oil and unusable fuel  
(7.57 liters / 2 US gal.)

Support	Gross		Tare		Net	
MAIN G1LH	682.66	kg	0	kg	682.66	kg
MAIN G1RH	681.30	kg	0	kg	681.30	kg
NOSE G2	347.91	kg	0	kg	347.91	kg
Empty Weight					1711.86	kg

Lever Arm		
X1LH =	2817	mm
X1RH =	2808	mm
X2 =	854.5	mm

Calculate the Empty Weight:  $G = \text{MAIN G1LH} + \text{MAIN G1RH} + \text{NOSE G2}$ 

Weight including required equipment for operation must be between:

1492 kg and 1583 kg if OAM 62-018 is installed or MAM 62-001 is not installed.

1492 kg and 1730 kg if MAM 62-001 is installed.

Calculate the Empty Weight Moment:

 $M = (G1LH \times X1LH) + (G1RH \times X1RH) + (G2 \times X2)$ Calculate the Empty Weight Center-of-Gravity position:  $XCG = M/G$ 

Maximum Take Off Weight

MTOW

MAM 62-001 not installed or OAM 62-018 installed

MAM 62-001 installed

Maximum useful load = MTOW - G

G = 1711.86 kg

M = 4133.40696 kg-m

XCG = 2.41 m

1999 kg

2300 kg

588.14 kg

Support	Gross		Tare		Net	
MAIN G1LH	1505.00	lbs	0	lbs	1505.00	lbs
MAIN G1RH	1502.00	lbs	0	lbs	1502.00	lbs
NOSE G2	767.00	lbs	0	lbs	767.00	lbs
Empty Weight					3774.00	lbs

Lever Arm		
X1LH =	110.91	in
X1RH =	110.55	in
X2 =	33.64	in

Calculate the Empty Weight:  $G = \text{MAIN G1LH} + \text{MAIN G1RH} + \text{NOSE G2}$ 

Weight including required equipment for operation must be between:

1492 kg and 1583 kg if OAM 62-018 is installed or MAM 62-001 is not installed.

1492 kg and 1730 kg if MAM 62-001 is installed.

Calculate the Empty Weight Moment:

 $M = (G1LH \times X1LH) + (G1RH \times X1RH) + (G2 \times X2)$ Calculate the Empty Weight Center-of-Gravity position:  $XCG = M/G$ 

Maximum Take Off Weight

MTOW

MAM 62-001 not installed or OAM 62-018 installed

MAM 62-001 installed

Maximum useful load = MTOW - G

G = 3774.00 lbs

M = 358763.88 in-lbs

XCG = 95.06 in

4407 lbs

5070 lbs

1296.00 lbs

Record the Empty Weight (G) and the Empty-Weight Moment (M) in the Airplane Flight Manual.

Place / Date	DAIC - CYXU December 15, 2021	Authorizing Stamp	DA Q 81	Authorizing Signature	
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