

DYNAMIC AVIATION GROUP, INC.

Box 7, Bridgewater VA 22812

This document is revised to correct "Weighing Configuration" wording found to be incorrect on WBRT-0196 Dated Oct. 19, 2020

WEIGHT AND BALANCE REPORT
BASIC EMPTY CONFIGURATIONDATE: Dec. 14, 2021
MODEL: 65-A90-1SERIAL NO: LM-79
REGISTRATION NO: N80Y
DOCUMENT NUMBER: WBRT-0196.1

STRUT POSITION	NOSE	L MAIN	R MAIN	JACK POINT LOCATION
EXTENDED	29.4	176.2	176.2	FORWARD 83.5
COMPRESSED	30.8	178.3	178.3	AFT 195.5

Scales information: JAWS Jack Scales Model M2000. Scale Kit serial number: 19-17923; Platform serial numbers 706147-10K, 703367-10K, and 707383-10K. Calibration due 10/19/2021.

REACTION WHEEL-JACK POINTS	SCALE READING	TARE	NET WEIGHT	ARM	MOMENT
LEFT MAIN	1266.5	0.0	1266.5	195.5	247600.8
RIGHT MAIN	1990.5	0.0	1990.5	195.5	389142.8
NOSE	2316.5	0.0	2316.5	83.5	193427.8
TOTAL	5573.5		5573.5	148.9	830171.3

Note: *numbers are rounded to nearest tenth *manual recalculation may be incongruent with this form

Weighing Configuration: Fluids: Fuel Bucket Drained & Full Oil

Installed Items: Crew seats, cockpit fire extinguisher, cabin fire extinguisher, camera hole seat track plug, cargo net. For details see WBCL-0196 Dated 19 Oct 2021, BAEL-0196 Dated 19 Oct 2021.

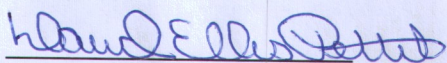
SPACE BELOW PROVIDED FOR ADDITIONS AND SUBTRACTIONS TO AS-WEIGHED CONFIGURATION

<u>Remove</u>			
Plumb bob, leveling	0.0	255.5	0.0
Nacelle Fuel-122 gallons @ 6.7 lbs per gallon	0.0	131.0	0.0
Wing Fuel-262 gallons @ 6.7 lbs per gallon	0.0	167.0	0.0
Civilian fuel cells installed. Aircraft has 384 gallon total fuel capacity			
<u>Add</u>			
Unusable drainable fuel (Reference TCDS)	24.0	140.0	3360.0
Manuals (POH, MEL)	10.0	131.0	1310.0
EMPTY WEIGHT	5607.5	148.9	834841.3
USEFUL LOAD (GTOW is 9,650 lbs)	4042.5		

Max Takeoff Weight is 9,650 lbs

Max Landing Weight: 9,168 lbs

Max Zero Fuel Weight: No Limitation


Approved By: David Ellis Pettit

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