

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 01/SNW/WB/XI/2020
DATE : 29 NOVEMBER 2020

AIRCRAFT REGISTRATION : PK-SNW
AIRCRAFT TYPE : C208B EX
AIRCRAFT SERIAL NUMBER : 208B-5579
PROPERTY OF : PT. SMART CAKRWALA AVIATION
PLACE OF WEIGHING : WICHITA
REASON OF WEIGHING : APE STOL MODIFICATION
CONFIGURATION : **PAX**
PERFORMED BY : YINLING AIRCRAFT, INC.
SIGNED: DATE: 11/25/2020
CHECKED BY : YINLING AIRCRAFT, INC.
SIGNED: DATE: 11/25/2020

RESULTS

EMPTY WEIGHT	: 5359.30
EMPTY C.G FROM DATTUM LINE	: 191.75
INDEX MAC %	: 21.35
VALID UNTIL	: 24 NOVEMBER 2025

WEIGHING EQUIPMENT

PART NUMBER	: UNK
SERIAL NUMBER	: UNK
VALIDATION	: UNK

APPROVED BY:

The signature is in black ink, and the stamp is a red triangle with the letters 'A' and 'C' inside.

YANUAR ABDUL FATAH
CHIEF INSPECTOR



AIRCRAFT WEIGHT & BALANCE

TABEL1

BASIC ITEM NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 INCH POUNDS
APE STOL KIT STC #: SAO1805SE	5.80	203.00	1.17
BENCH ASSY	46.30	267.69	12.39
SINGLE SEAT ASSY	25.10	285.55	7.16
TOTAL	77.2	268.63	20.73

TABEL 2

DESCRIPTION OF ACTION PERFORMED	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 INCH POUNDS
TOTAL			

TABEL 3

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 INCH POUNDS
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	5258	190.56	1001.96
WEIGHT FROM TABLE 1 (+)	77.2	268.63	20.73
TOTAL	5335.2	191.68	1022.70

BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 INCH POUNDS
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	5335.2	191.68	1022.70
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALON S/N 208B0090 And On	24.1	206.4	4.97
BASIC EMPTY WEIGHT	5359.30	191.75	1027.67



AIRCRAFT WEIGHT & BALANCE

LOCATING PERCENT MAC

$$\begin{aligned}\text{CG Percent MAC} &= \frac{(\text{CG Arm of Airplane}) - 177.57}{0.6640} \\ &= \frac{191.75 - 177.57}{0.6640} \\ &= 21.35 \%\end{aligned}$$

AIRCRAFT WEIGHT & BALANCE

PRIOR TO WEIGHT AND BALANCE CHECK				
AIRCRAFT TYPE : CESSNA C208B EX CARAVAN AIRCRAFT REGISTRATION : PK-SNW AIRCRAFT SERIAL NUMBER : 208B-5579 DATE OF WEIGHING : 25 NOVEMBER 2020				
NO.	DESCRIPTION	APPL	CHECK	REMARKS
A	STANDARD ITEMS			
1	All fuel tank EMPTY or recorded / FULL	√	Empty	-
2	All engine oil tanks EMPTY or recorded / FULL	√	Full	-
3	All others oil tanks FULL (included Propeller, Starters, Gearbox and Air Cycle)	√	Full	-
4	Hydraulic tanks FULL	√	Full	-
B	STANDARD EQUIPMENTS			
1	Technical supply or Flight Kits	X	N/A	-
2	Aircraft Books, Manuals and Papers	X	1 Bag	-
3	AXE	X	1 EA	-
4	Fire Extinguisher	√	1 EA	-
5	First Aid Kit	X	1 Box	-
6	Life Vests	X	11 EA	-
7	Life Raft	X	N/A	-
8	Survival Kit	X	N/A	-