

**AIRCRAFT WEIGHT AND C.G DETERMINATION**

REPORT NO : 01/WB/SNI/II/2022  
DATE : 07 FEBRUARY 2022

AIRCRAFT REGISTRATION : PK-SNI  
AIRCRAFT TYPE : C208B EX  
AIRCRAFT SERIAL NUMBER : 208B-5068  
PROPERTY OF : PT. SMART CAKRAWALA AVIATION  
PLACE OF WEIGHING : SENTANI  
REASON OF WEIGHING : PERIODIC INSPECTION  
CONFIGURATION : **PAX**  
PERFORMED BY : YANUAR ABDUL FATAH (TRANSFER TO SCA FORM)  
SIGNED:  DATE: 07/02/2022

CHECKED BY : ISTIONO.  
SIGNED:  DATE: 07/02/2022

**RESULTS**

<b>EMPTY WEIGHT</b>	<b>: 5324.10</b>
<b>EMPTY C.G FROM DATTUM LINE</b>	<b>: 190.92</b>
<b>INDEX MAC %</b>	<b>: 20.10</b>
<b>VALID UNTIL</b>	<b>: NOVEMBER 2024</b>

**WEIGHING EQUIPMENT**

PART NUMBER	: HH2400-3-10KP
SERIAL NUMBER	: UNK
VALIDATION	: UNK

APPROVED BY:



**YANUAR ABDUL FATAH**  
**CHIEF INSPECTOR**



**TABEL1**

BASIC ITEM NOT INCLUDED WHEN WEIGHING	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 INCH POUNDS
<b>TOTAL</b>			

**TABEL 2**

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

**TABEL 3**

AIRCRAFT WEIGHING REPORT	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 INCH POUNDS
<b>AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL) INCLUDED DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALON</b>	5324.10	190.92	1016.5
<b>TOTAL</b>	<b>5324.10</b>	<b>190.92</b>	<b>1016.5</b>



## AIRCRAFT WEIGHT & BALANCE

### **BASIC EMPTY WEIGHT AND CENTER OF GRAVITY TABLE**

#### **LOCATING PERCENT MAC**

$$\begin{aligned}\text{CG Percent MAC} &= \frac{\text{CG Arm of Airplane} - 177.57}{0.6640} \\ &= \frac{190.92 - 177.57}{0.6640} \\ &= 20.10\%\end{aligned}$$

<b>PRIOR TO WEIGHT AND BALANCE CHECK</b>				
<b>AIRCRAFT TYPE</b> : CESSNA C208B EX CARAVAN <b>AIRCRAFT REGISTRATION</b> : PK-SNI <b>AIRCRAFT SERIAL NUMBER</b> : 208B-5068 <b>DATE OF WEIGHING</b> : 18 NOVEMBER 2019				
NO.	DESCRIPTION	APPL	CHECK	REMARKS
<b>A</b>	<b>STANDARD ITEMS</b>			
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>B</b>	<b>STANDARD EQUIPMENTS</b>			
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	-
9	Single Seat	✓	4 ea	30.86 lb/each
10	Bench	✓	3 EA	59.52 lb/each
11	AFT Couch	✓	2 PL	34.89 lb