


**AIRCRAFT WEIGHT AND C.G DETERMINATION**

REPORT NO : 01/WB/SNE/II/2022

DATE : 21 FEBRUARY 2022

AIRCRAFT REGISTRATION : PK-SNE  
AIRCRAFT TYPE : PILATUS PORTER PC-6  
AIRCRAFT SERIAL NUMBER : 1017  
PROPERTY OF : PT. SMART CAKRAWALA AVIATION  
PLACE OF WEIGHING : PILATUS FACTORY  
REASON OF WEIGHING : INITIAL  
CONFIGURATION : PAX  
PERFORMED BY : PILATUS FACTORY  
SIGNED: DATE: 21 FEBRUARY 2022

CHECKED BY : YANUAR ABDUL FATAH  
SIGNED:  DATE: 21 FEBRUARY 2022

**RESULTS**

<b>EMPTY WEIGHT</b>	<b>: 1480 Kg</b>
<b>EMPTY C.G FROM DATTUM LINE</b>	<b>: 3.400 M</b>
<b>INDEX MAC %</b>	<b>: 21.36 %</b>
<b>VALID UNTIL</b>	<b>: FEBRUARY 2027</b>

**WEIGHING EQUIPMENT**

PART NUMBER	: UNK
SERIAL NUMBER	: UNK
VALIDATION	: UNK

APPROVED BY:

A stylized handwritten signature in black ink, likely belonging to Yanuar Abdul Fatah.

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

## CENTER of GRAVITY

$$\begin{aligned}\text{C of G Position from datum} &= \frac{\text{TOTAL MOMENT}}{\text{TOTAL WEIGHT}} \\ &= \frac{5032}{1480} \\ &= 3.400 \text{ m}\end{aligned}$$

## LOCATING PERCENT MAC

$$\begin{aligned}\text{As \% MAC} &= \frac{\text{C of G} - 3.0 \text{ m}}{1.9 \text{ m}} \times 100 \\ &= \frac{3.400 - 3.0 \text{ m}}{1.9 \text{ m}} \times 100 \\ &= 21.05 \%\end{aligned}$$

## AIRCRAFT WEIGHT & BALANCE

<b>PRIOR TO WEIGHT AND BALANCE CHECK</b>				
<b>AIRCRAFT TYPE</b> : PILATUS PORTER PC-6 <b>AIRCRAFT REGISTRATION</b> : PK-SNE <b>AIRCRAFT SERIAL NUMBER</b> : 1017 <b>DATE OF WEIGHING</b> : 21 FEBRUARY 2022				
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	8 EA	-
7	Life Raft	x	N/A	-
8	Survival Kit	x	N/A	-