

AIRCRAFT WEIGHT AND C.G DETERMINATION

REPORT NO : 01/WB/SNC/XI/2021

DATE : 16 NOVEMBER 2021

AIRCRAFT REGISTRATION : PK-SNC
AIRCRAFT TYPE : PILATUS PORTER PC-6
AIRCRAFT SERIAL NUMBER : 1016
PROPERTY OF : PT. SMART CAKRAWALA AVIATION
PLACE OF WEIGHING : PILATUS FACTORY
REASON OF WEIGHING : INITIAL
CONFIGURATION : PAX
PERFORMED BY : PILATUS FACTORY
SIGNED: DATE: 19 OCT 2021
CHECKED BY : PILATUS FACTORY.
SIGNED: DATE: 19 OCT 2021

RESULTS

EMPTY WEIGHT	: 1480.2 Kg
EMPTY C.G FROM DATTUM LINE	: 3.406 M
INDEX MAC %	: 21.36 %
VALID UNTIL	: OCTOBER 2026

WEIGHING EQUIPMENT

PART NUMBER	: UNK
SERIAL NUMBER	: UNK
VALIDATION	: UNK

APPROVED BY:

**YANUAR ABDUL FATAH
CHIEF INSPECTOR**

CENTER of GRAVITY

$$\begin{aligned}\text{C of G Position from datum} &= \frac{\text{TOTAL MOMENT}}{\text{TOTAL WEIGHT}} \\ &= \frac{5041}{1480.2} \\ &= 3.406 \text{ m}\end{aligned}$$

LOCATING PERCENT MAC

$$\begin{aligned}\text{As \% MAC} &= \frac{\text{C of G} - 3.0 \text{ m}}{1.9 \text{ m}} \times 100 \\ &= \frac{3.406 - 3.0 \text{ m}}{1.9 \text{ m}} \times 100 \\ &= 21.36 \%\end{aligned}$$

AIRCRAFT WEIGHT & BALANCE

PRIOR TO WEIGHT AND BALANCE CHECK				
AIRCRAFT TYPE : PILATUS PORTER PC-6 AIRCRAFT REGISTRATION : PK-SNC AIRCRAFT SERIAL NUMBER : 1016 DATE OF WEIGHING : 19 OCTOBER 2021				
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	8 EA	-
7	Life Raft	x	N/A	-
8	Survival Kit	x	N/A	-