

SECTION 6
WEIGHT AND BALANCE

PA-28-181, ARCHER III

MODEL PA-28-181 ARCHER III

Airplane Serial Number 2881547

Registration Number N292JE

Date 05/24/2022

AIRPLANE BASIC EMPTY WEIGHT

Item	Weight (Lbs)	C.G. Arm (Inches Aft of Datum)	Moment (In-Lbs)
Standard Empty Weight* Computed	1693.7	88.6089	150074.3
Optional Equipment	93.5	96.8225	9052.9
Basic Empty Weight	1787.2	89.0386	159127.2

*The standard empty weight includes full oil capacity and 2.0 gallons of unusable fuel.

AIRPLANE USEFUL LOAD

(Ramp Weight) - (Basic Empty Weight) = Useful Load

Normal Category (2558 lbs) - (**1787.2** lbs) = **770.8** lbs.

Utility Category (2138 lbs) - (**1787.2** lbs) = **350.8** lbs.

THIS BASIC EMPTY WEIGHT, C.G. AND USEFUL LOAD ARE FOR THE AIRPLANE AS CERTIFIED AT THE FACTORY. REFER TO APPROPRIATE AIRCRAFT RECORD WHEN ALTERATIONS HAVE BEEN MADE.

WEIGHT AND BALANCE DATA FORM

Figure 6-5

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