

**SECTION 6**  
**WEIGHT AND BALANCE**

**PA-28-181, ARCHER III**

MODEL PA-28-181 ARCHER III

Airplane Serial Number 2881518

Registration Number N275AM

Date 1/05/2022

**AIRPLANE BASIC EMPTY WEIGHT**

Item	Weight (Lbs)	C.G. Arm x (Inches Aft of Datum)	= Moment (In-Lbs)
Standard Empty Weight* <del>Computed</del>	Actual 1636.5	87.7520	143603.5
Optional Equipment	31.7	107.6909	3413.8
Basic Empty Weight	1668.2	88.1309	147017.3

\*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) - ( 1668.2 lbs) = 889.8 lbs.

Utility Category (2138 lbs) - ( 1668.2 lbs) = 469.8 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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ISSUED: December 22, 2017