

**SECTION 6
WEIGHT AND BALANCE**

PA-28-181, Piper Pilot

MODEL PA-28-181 PIPER PILOT

Airplane Serial Number 28020064

Registration Number N464FA

Date 04/08/2022

AIRPLANE BASIC EMPTY WEIGHT

| Item | Weight (Lbs) | C.G. Arm | |
|--|-----------------|----------------------------|----------------------|
| | | x (Inches Aft of Datum) | = Moment (In-Lbs) |
| Standard Empty Weight* Computed | Actual 1603.2 | 87.1582 | 139729.4 |
| Optional Equipment | 0.0 | 0.0000 | 0.0 |
| Basic Empty Weight | 1603.2 | 87.1582 | 139729.4 |

*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

(2558 lbs) - (1603.2 lbs) = 954.8 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

REPORT: VB-2960

ISSUED: November 16, 2020

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| | Weight (Lbs) | Arm Aft Datum (Inches) | Moment (In-Lbs) |
|---|-----------------|------------------------------|--------------------|
| Basic Empty Weight | | | |
| Front Seat Occupants | | 80.5 | |
| Rear Seat Occupant (If Installed) | | 118.1 | |
| Fuel (48 Gallon Maximum) | | 95.0 | |
| Ramp Weight | | | |
| Fuel Allowance For Engine Start, Taxi and Run Up | -8 | 95.0 | -760 |
| Takeoff Weight | | | |

Totals must be within approved weight and C.G. limits. It is the responsibility of the airplane owner and the pilot to ensure that the airplane is loaded properly. The Basic Empty Weight C.G. is noted on the Weight and Balance Data Form (Figure 6-5). If the airplane has been altered, refer to the Weight and Balance Record for this information.

WEIGHT AND BALANCE LOADING FORM

Figure 6-11