

# Weight and Balance report

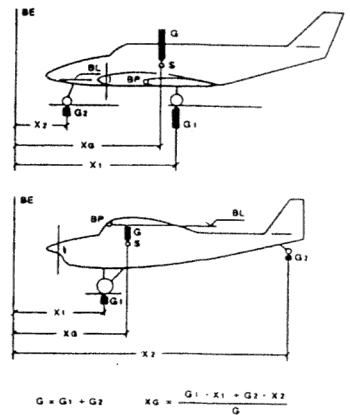
Order-No.: 1252/17

Type: Piper PA-46-310P	Serial No.: 4608059	Registration: <b>N9127Z</b>
------------------------	---------------------	-----------------------------

**Data according to TCDS or flight manual** Reason for weighing: periodic

Datum point	BP	BE	
Datum level	BE		2,54m (100") forward of forward pressure bulkhead
Datum line horizon	BL		Top or bottom fuselage at B.L. 0 (constant section)

Airworthiness Group Units	max Weight	Balance at Flight weight		at Flight weight
	lbs	X front inch	inch	X rear lbs
Normal aircraft (N)	4100,000	143,300	147,100	4100,000
		136,100	147,100	3680,000
Utility aircraft (U)		130,700	147,100	2450,000



Equipmentlist dated \_\_\_\_\_  
Floor plan dated \_\_\_\_\_

## Weight and Balance at empty weight

Weighing	Seating	Gross-Weight	Tara-Weight	Net-Weight	Lever	Moment	
		Units lbs	lbs	lbs	inch	lbsinch	
left	G1 l			1183,880	X1	185831,276	
right	G1 r			1176,160		156,968	184619,483
front/rear	G2			619,058	X2	60,472	37435,675

Subtractions	useable fuel	Density	Units	Sum A	Moment
		lbs /Gal			
		6,020		2979,098	407886,434
Fuselage tank 1			Gal		
Fuselage tank 2			Gal		
Wing tank 1	empty		Gal		
Wing tank 2	empty		Gal		
Wing tank 3			Gal		
Wing tank 4			Gal		
			Gal		
			Gal		
			Gal		

	Sum B	0,000			0,000
	Weighing (Sum A)	2979,098			407886,434
	Subtractions (Sum B)	0,000			0,000
	<b>Empty Weight</b>	<b>2979,098</b>		<b>136,916</b>	<b>407886,434</b>

EDMS / Straubing 12.10.2017  
place date of issue

**Variable load**

Fuel	Density	6,020	lbs /Gal	Units
Fuselage tank 1				Gal
Fuselage tank 2				Gal
Wing tank 1				Gal
Wing tank 2				Gal
Wing tank 3				Gal
Wing tank 4				Gal
Seats:	Pilots			X lbs
				lbs
				lbs
				lbs
				lbs
Baggage				lbs
Equipment				lbs

Weight lbs	Lever inch	Moment lbsinch

Weights and Levers are taken from flight manual

(possible front and rear bearing Xv and Xh)

**Balance at Flight weight**

Loading	Empty weight	2979,098	136,916	407886,434
Fuselage tank 1				
Fuselage tank 2				
Wing tank 1				
Wing tank 2				
Wing tank 3				
Wing tank 4				
Seats Pilots				
Baggage				
Equipment				
Weight trim Location		<b>2979,098</b>	<b>136,916</b>	<b>407886,434</b>

**Max loading**

Airworthiness Group

Normal aircraft

Utility aircraft

max Weight

4100,000

- empty Weight

2979,098

max loading    lbs

**1120,902**

**Data for the flight manual**

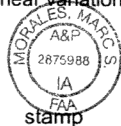
empty Weight	empty Weight-Moment
2979,098      lbs	407886,434      lbsinch
Units	Units

additional information for flight manual and information labels:

Fuel Tank empty, only unusable fuel inside

Linear variation between given points "centre of gravity range"

EDMS / Straubing      12.10.2017  
place                              date of issue



*Morals*  
Signature of inspector / CS