

## Weight & Balance - Aircraft Specific Data

Parameter	Value	Description															
Aircraft Make	Piper																
Aircraft Model	PA-24-260B																
N Number	N9170P																
Empty Weight	1907	(from Aircraft current W&B records)															
Empty Weight - Arm	82.82	(from Aircraft current W&B records)															
Oil Capacity	12	(in quarts)															
Oil - Arm	28																
Fuel	(usable fuel only, unusable fuel is included in BEW)																
	<table><tr><td></td><td>location 1</td><td>location 2</td></tr><tr><td>Description</td><td>Main Tanks</td><td>Aux Tanks</td></tr><tr><td>ARM</td><td>90</td><td>97</td></tr><tr><td>Capacity</td><td>56</td><td>30</td></tr></table>			location 1	location 2	Description	Main Tanks	Aux Tanks	ARM	90	97	Capacity	56	30			
	location 1	location 2															
Description	Main Tanks	Aux Tanks															
ARM	90	97															
Capacity	56	30															
Pilot Weight	200	(default front seat weight)															
Front Seat - ARM	84.8																
Middle Seat - ARM	120.5	(set to zero if there is only one row of seats in the aircraft, eg. Cessna 152)															
Rear Seat - ARM	0	(set to zero if there are only two rows of seats in the aircraft)															
Baggage	(there may be as many as four baggage locations)																
	<table><tr><td></td><td>location 1</td><td>location 2</td><td>location 3</td><td>location 4</td></tr><tr><td>Description</td><td>Baggage</td><td></td><td></td><td></td></tr><tr><td>ARM</td><td>142</td><td></td><td></td><td></td></tr></table>			location 1	location 2	location 3	location 4	Description	Baggage				ARM	142			
	location 1	location 2	location 3	location 4													
Description	Baggage																
ARM	142																
Max Gross Weight	3100																
V <sub>A Max</sub>	142	(specified in Units noted on next line)															
V <sub>A Max</sub> Units	MPH	(knots or MPH)															
	(Decrease in V <sub>a</sub> with decrease in weight based on approximation of: decrease V <sub>a</sub> by half the percentage that the total weight is below maximum.)																

Envelope Limits	Weight	Arm	Moment
	1500	80.5	0.000
	2000	80.5	0.000
	2600	82.5	0.000
	3100	88.4	0.000
	3100	93.0	0.000
	1500	93.0	0.000
	1500	80.5	0.000

Chart Axis	Load Limits		CG Moment	
	X	Y	X	Y
Max	94	3400	22	3400
Min	78	1400	0	1400
Tick	2	200	20	200