

RV-10 WEIGHT AND BALANCE DATA QUICK REFERENCE

NOTE: this quick reference chart is NOT a substitute for the complete Weight and Balance information contained in the Builder's Manual

CAUTION: the Gross Weight is established by the builder, who is considered the manufacturer.

DATUM.....99.44 inches forward of the wing leading edge

LIMITS

Design C.G. Range 15%-30% of wing chord OR 107.84-116.24 inches aft of Datum.

Recommended Gross Weight2700 lbs

ARMS

<i>Fuel</i>	108.90" aft of datum
<i>Pilot & Front Seat Passenger</i>	114.58" aft of datum
<i>Rear Seat Passenger(s)</i>	151.26" aft of datum
<i>Baggage</i>	173.50" aft of datum

DETERMINING EMPTY CG

Level the aircraft longitudinally and laterally using the longerons in the cabin area as the level reference. Weigh the airplane with doors closed, full oil and fuel tanks empty. Enter the weights and distances from the datum (arms) in the chart below. Multiply weight by arm to obtain moment. Divide the total moment by total weight to determine the empty CG.

	Weight	Arm	Moment
Right Wheel			
Left Wheel			
Nose Wheel			
Total			
Empty CG (<i>moment divided by weight</i>)			

