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 Weight ..........2700 lbs

**ARMS**
Fuel .................................. 108.90” aft of datum
Pilot & Front Seat Passenger ........ 114.58” aft of datum
Rear Seat Passenger(s) .................. 151.26” aft of datum
Baggage .................................. 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.

<table>
<thead>
<tr>
<th>Weight</th>
<th>Arm</th>
<th>Moment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Wheel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Left Wheel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nose Wheel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Empty CG** (moment divided by weight)