

## CP Aviation, Inc.

830 East Santa Maria Street, No. 301

Santa Paula, CA 93060

(805) 424-2138

### Aircraft V-Speed, Weight, and Fuel Table

| V speeds in MPH    | 7ECA       | 7GCBC     | 8KCAB     | 8KCAB - Super D |         |
|--------------------|------------|-----------|-----------|-----------------|---------|
|                    | N1603G     | N117CP    | N5035N    | N5503H          | N989WB  |
| V <sub>so</sub>    | n/a        | 45        | n/a       | n/a             | n/a     |
| V <sub>s1</sub>    | 51         | 50        | 54        | 54              | 54      |
| V <sub>y</sub>     | 69         | 69        | 76        | 80              | 80      |
| V <sub>x</sub>     | 58         | Flaps 14° | 61        | 58              | 58      |
| *V <sub>a</sub>    | 120        | 120       | 132       | 132             | 132     |
| V <sub>no</sub>    | 120        | 120       | 160       | 160             | 160     |
| V <sub>ne</sub>    | 162        | 162       | 180       | 200             | 200     |
| V <sub>fe</sub>    |            | 90        |           |                 |         |
| V <sub>glide</sub> | 60-65      | 60-65     | 70-75     | 70-75           | 70-75   |
| V <sub>apr.</sub>  | 0 flaps    | 60-70     | 70-75     | 70-75           | 70-75   |
|                    | full flaps |           | 60        |                 |         |
| Gross Weight       | 1650       | 1800      | 1800      | 1800            |         |
| Empty Weight       | 1046.89    | 1263.61   | 1281.25   | 1344            |         |
| Useful Load        | 603.11     | 536.39    | 518.75    | 456             |         |
| Usable Fuel (Gal)  | 35 gal     | 35 gal    | 40 gal    | 40 gal          | 40 gal  |
| Aerobatic Fuel     | 17 gal     | 17 gal    | 20 gal    | 20 gal          | 20 gal  |
| Average Fuel Burn  | 7 gph      | 9 gph     | 10 gph    | 12 gph          | 12 gph  |
| Oil Capacity       | 4-6 qts    | 6-8 qts   | 6-8 qts   | 6-8 qts         | 6-8 qts |
| Add Oil at...      | 4 qts      | 6 qts     | 6 qts     | 6 qts           | 6 qts   |
| Aircraft Notes     |            |           | Dual Only | Dual Only       |         |

\* indicates speed listed is appropriate at max gross weight. Reduce value for lighter weights.