

Aero Club Aircraft Performance Chart

| Aircraft | N1370U | N1401E | N6601K | N98306 | N78512 | T41C | 94986 |
|-------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------|--------------------|-------------------------------------|
| Call-Sign | Rally 70 | Rally 14 | Rally 01 | Rally 06 | Rally 12 | Rally | Rally 08 |
| Year | 1976 | 1978 | 1981 | 1985 | 1969 | 03 / 04 / 53 | 1978 |
| Model | C-172 M | C-172 N | C-172 P | C-172 P | C-172 K | R-172E | C-182 Q |
| IAS | KTS | KTS | KTS | KTS | MPH | MPH | KTS |
| V _r Rotate | 55 | 55 | 55 | 55 | 60 | 60 | 60 |
| Normal Climb | 70 | 70 | 70 | 70 | 85 | 90 | 90 |
| Best Glide | 65 | 65 | 65 | 65 | 80 | 85 | 70 |
| Stall Entry | 70 | 70 | 70 | 70 | 80 | 80 | 75 |
| V _{ne} | 160 | 160 | 158 | 158 | 174 | 182 | 179 |
| V _{no} | 128 | 128 | 127 | 127 | 140 | 145 | 143 |
| V _a Weight | 97/89/80 2300/1950/1600 | 97/89/80 2300/1950/1600 | 99/92/82 2400/2000/1600 | 99/92/82 2400/2000/1600 | 122 2400 | 127 2500 | 111/100/89 2950/2450/1950 |
| V _{fe} | 85 | 110/85 | 110/85 | 110/85 | 100 | 100 | 140 / 95 |
| V _y (SL—10,000MSL) | 78-68 | 73-68 | 76-71 | 76-71 | 82-79 | 95 | 78-72 |
| V _x (SL—10,000MSL) | 59 | 59 | 56 | 56 | 68-74 | 70 | 60 |
| V _s | 47 | 47 | 44 | 44 | 57 | 64 | 48 |
| V _{so} | 41 | 41 | 33 | 33 | 49 | 53 | 45 |
| DOWNWIND | 85 | 85 | 85 | 85 | 95 | 95 | 95 |
| BASE | 75 | 75 | 75 | 75 | 85 | 85 | 80 |
| FINAL | 65 | 65 | 65 | 65 | 75 | 85 | 70 |
| SHORT FINAL FLAPS UP | 60 | 60 | 65 | 65 | 70 | 85 | 70 |
| SHORT FINAL FLAPS DOWN | 55 | 55 | 60 | 60 | 65 | 75 | 60 |
| TOTAL FUEL (GALS) | 42 | 43 | 54 | 43 | 42 | 52 | 80 |
| USABLE FUEL (GALS) | 38 | 40 | 50 | 40 | 38 | 46 | 75 |
| MAX WEIGHT (lbs) | 2550 | 2550 | 2550 | 2550 | 2500 | 2500 | 2950 |