



## REDCLIFFE AERO CLUB

### CESSNA C172 S

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| NEVER EXCEED SPEED (Vne) .....             | 163 KTS   |
| MAX STRUCTURAL CRUISING SPEED (Vno).....   | 129 KTS   |
| MANOEUVERING SPEEDS (Va) .....             | 105 KTS @ 1156 KGS  |
| .....                                      | 98 KTS @ 1000 KGS   |
| .....                                      | 90 KTS @ 863 KGS  |
| PLANNING TAS.....                          | 115 KTS   |
| MAX FLAP EXTENSION (Vfe)      10°.....     | 110 KTS   |
| 10° to 30°.....                            | 85 KTS  |
| BEST GLIDE SPEED .....                     | 68 KTS  |
| ENROUTE CLIMB .....                        | 80-90 KTS   |
| AFTER TAKEOFF CLIMBOUT.....                | 75 KTS  |
| BEST ANGLE OF CLIMB (Vx).....              | 62 KTS  |
| BEST RATE OF CLIMB (Vy) .....              | 74 KTS  |
| SHORTFIELD TAKE OFF SPEED (10° FLAP) ..... | 56 KTS @ 50 FEET  |
| FINAL APPROACH SPEED (30° FLAP) .....      | 65-70 KTS   |
| BASE SPEED .....                           | 75 KTS  |
| FLAPLESS APPROACH SPEED .....              | 70 KTS  |
| STALL SPEED (FLAPS DOWN) .....             | 40 KTS  |
| STALL SPEED (FLAPS UP).....                | 48 KTS  |
| USABLE FUEL CAPACITY .....                 | 201 LTS   |
| TOTAL FUEL CAPACITY .....                  | 213 LTS   |
| PLANNED FUEL CONSUMPTION.....              | 40 LTS/HR   |
| OIL CAPACITY .....                         | 5 - 8 QTS   |
| MAX TAKE OFF WEIGHT .....                  | 1156 KGS  |
| BASIC EMPTY WEIGHT .....                   | IVW 764.3kg / YRE 801.5kg / RAQ 782.4kg / SPP 764.5kg / SPQ 772.5kg |
| MAX CROSSWIND COMPONENT .....              | 15 KTS  |
| MAX CONTINUOUS POWER .....                 | 2700 RPM  |
| STATIC RPM .....                           | 2300 - 2400 RPM   |

Note: Redcliffe Aero Club Advisory Information Only. ALL pilots should refer to pilots operating handbook for full and correct data.