



# REDCLIFFE AERO CLUB

## PIPER ARCHER PA28-181      VH-FRF



NEVER EXCEED SPEED (Vne) .....	152 KTS
MAX STRUCTURAL CRUISING SPEED (Vno) .....	125 KTS
MANOEUVERING SPEEDS (Va) .....	1156 KGS    113 KTS
PLANNING TAS.....	120 KTS
MAX FLAP EXTENSION (Vfe) .....	102 KTS
BEST GLIDE SPEED .....	76 KTS
ENROUTE CLIMB .....	90 KTS
TAKE OFF SAFETY SPEED (V <sub>Toss</sub> ).....	1156 KGS - 69 KTS;    750 KG – 54 KTS
SHORT FIELD APPROACH SPEED .....	1156 KGS - 66 KTS;    750 KG – 53 KTS
AFTER TAKEOFF CLIMBOUT.....	80 KTS
BEST ANGLE OF CLIMB (Vx).....	64 KTS
BEST RATE OF CLIMB (Vy) .....	76 KTS
SHORTFIELD TAKE OFF SPEED .....	64 KTS
FINAL APPROACH SPEED (40° FLAP) .....	70KTS
BASE SPEED .....	80 KTS
FLAPLESS APPROACH SPEED .....	70 KTS
STALL SPEED (FLAPS DOWN) .....	48 KTS
STALL SPEED (FLAPS UP).....	54 KTS
USABLE FUEL.....	182 LTS
TOTAL FUEL CAPACITY .....	189 LTS
PLANNED FUEL CONSUMPTION.....	40 LTS/HR
OIL CAPACITY .....	6 - 8 QTS
MAX TAKE OFF WEIGHT .....	1156 KGS
BASIC EMPTY WEIGHT .....	710 KGS
MAX CROSSWIND COMPONENT .....	17 KTS
RUN UP .....	2000 RPM
MAX RPM DROP PER MAG .....	175 RPM
MAX DIFFERENCE BETWEEN L/R MAGS .....	50 RPM
STATIC RPM .....	2350 - 2450 RPM

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