



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 _{TOSS}).....	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.....	36 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