

SPEEDS ON AQUILA:

Vs0-	Stalling speed without engine power in landing configuration.	Vs0- 60 KTS
Vx-	Best angle of climb.	Vx- 60 KTS
Vy-	Best rate of climb speed.	Vy- 65 KTS
Vno-	Maximum Structural Cruising Speed is the speed that should not be exceeded except in smooth air and then only with caution.	Vno- 130KTS
Vne-	Never Exceed Speed.	Vne- 165KTS
Va-	Manoeuvring Speed	Va- 112 KTS
Vfe-	Maximum flap extended speed	Vfe- 90 KTS

BEST GLIDE SPEED 78 KTS

NORMAL BASE: 75KTS t/o flap **NORMAL EARLY FINAL:** 70KTS **NORMAL LATE FINAL:** 65KTS

FLAPLESS BASE: 70KTS **FLAPLESS FINAL:** 65KTS

FUEL: 120L – AVGAS 100LL OR 95 MOGAS OR HIGHER.

CANNOT REFUEL WITHIN 5M SEALED BUILDING, 6M OTHER A/C OR 15M PUBLIC AREA.

OIL: SG OR HIGHER (SPORT+ SHELL OIL) 3.2L-3.6L

STALLS: We stall at an AoA NOT AIRSPEED

HASELL CHECKS:

HEIGHT- RECOVER BY 4000AGL

AIRFRAME- DIRTY OR CLEAN STALL

SECURITY- HATCHES AND HARNESSSES

ENGINE- T'S AND P'S, CARBY HEAT, FUEL PUMP

LOCATION-NOT OVER BUILT UP AREA

LOOKOUT- 360 DEGREES TURN FOLLOWED BY 90 DEGREES AFTER EACH STALL TO CHECK FOR TRAFFIC.

RECOVER STALL- OPPOSITE RUDDER (IF WING DROPS), LOWER NOSE, SMOOTHLY APPLY POWER, RAISE NOSE TO GO BACK INTO A CLIMB.

STEPS FOR A CLEAN STALL- CARBY HT, POWER IDLE, BACK PRESSURE, POWER TO 3000RPM (WHEN APPROACHING STALL), 2 STAGE FLAP, CONTINUE BACK PRESSURE

STEEP TURNS-PICK REFERENCE POINT, CLEAR L C R OR R C L, APPLY FULL POWER PAST 30 DEGRE, BANK/BALANCE(RUDDER/BACKPRESSURE)

SPIRAL DIVE RECOVERY: PWR TO IDLE, ROLL WINGS LEVEL, RAISE NOSE AND APPLY FULL PWR WHEN NOSE PASSES HORIZON.

SFTO: FLAP 20 OR 30 DEGREES, APPLY BRAKES, GENTLY TO FULL PWR, RELEASE BRAKE AT 5000RPM
APPLY BACK PRESSURE TO GET PLANE OF GROUND.

SFL: FULL FLAP, 60KT APPROACH, AIM FOR BEFORE KEYS AND FLARE BEFORE KEYS, USE PWR TO
STOP DESCENT

Engine Fire On Ground

1. Fuel Selector Valve OFF
2. Throttle FULL OPEN
3. ALT/BAT Switch OFF
4. Ignition Switch OFF
5. Aircraft EVACUATE

3.5.2 In-Flight Engine Fire

1. Fuel Selector Valve OFF
2. Airspeed 90 KIAS
3. Flaps TAKE-OFF Position
4. Throttle FULL OPEN
5. Cabin Heat OFF
6. Canopy slide-window FULL OPEN
7. Proceed with Power-Off Landing in accordance with 3.3.4 A)

3.5.3 Electrical Fire and Formation of Smoke on Ground

1. ALT/BAT Switch OFF
- If engine is running:
2. Throttle IDLE
 3. Fuel Selector Valve OFF
 4. Ignition Switch OFF
 5. Canopy OPEN
 6. Fire Extinguisher (if installed) ACTIVATE as required

YSBK ARRIVALS: **11-** L C R 1500FT@2RN OR PROSPECT THEN DESCEND TO 1000 FT BY 3MILES
OR WARWICK FARM RACE COURSE.

29- 1500 FT @ 2RN AND PROSPECT MAINTAIN 1500FT UNTILL DOWNWIND
CALL AND NOTIFIED BY TOWER THAT YOU ARE CLEARED FOR VISUAL APPROACH, ONCE CLEARED
DESCEND TO 1000FT AND NORMAL CIRCUIT LANDING.

YSBK DEPARTURES: **11-**AFTER TAKE OFF CLIMB TO 1500FT DOWNWIND

29-AFTER TAKE OFF CLIMB TO 1000FT UPWIND