



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
 “SUBDEPARTAMENTO “LICENCIAS”

“PIPER SÉNECA PA-34-200T”

“CC-KXY”

A.- OPERATING LIMITATIONS

1.- Limitations Speed (KIAS)

Va	4.570	136
Va	3.068	121
Vne		195
Vno		163
Vfe		107
Vle		129
Vlo extending		129
Vlo retracting		107
Vmca		66
Vs		63
Vso		61
Vx		76
Vy		89
Vsse		76
Vxse		78
Vyse		89
Vr		71
Vapp (Flap DN)		79
Max Cross Wind		17

2.- Fuel (U.S. GAL)

Type to Use	100/130
Total Capacity	128
Usable Capacity	123

Fuel Pressure (PSI)

Minumum	3.5
Maximum	20.0

3.- Weight (LBS)

Maximum TAKE-OFF	4.570
Maximum Baggaje FWD	100
Maximum Baggaje AFT	100

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	220
Maximum RPM	2.575
Static RPM (ground)	
Maximum	2.575
Minumum	500
Cylinder Head Temperature (°F)	
Maximum	460
Minumum	240
Exhaust Gas Temperatura (°F)	
Maximum	1.650
Minumum	1.200
Oil Temperature (°F)	
Maximum	240
Minumum	75
Oil Pressure (PSI)	
Maximum	100
Minumum	10

5.- Maneuvering Limits (Normal Cat.)

MANEUVERS	KIAS
Spin (Flaps UP)	Prohibited
Steep Turns	136

B.- EMERGENCIES PROCEDURES

1. ENGINE FAILURE DURING TAKEOFF (below 85 KIAS):

a.- If engine failure occurs during takeoff and 85 KIAS has not been attained :

THROTTLES **CLOSED**

STOP STRAIGHT AHEAD

b.- If inadequate runway remains to stop:

THROTTLES **CLOSED**

BRAKES **MAXIMUM BRAKING**

BATTERY SWITCH **OFF**

FUEL SELECTORS **OFF**

CONTINUE **STRAIGHT AHEAD, TURNING TO**

VOID OBSTACLES AS NECESSARY

2. ENGINE FAILURE DURING TAKEOFF (85 KIAS or above):

If engine failure occurs during takeoff ground roll or after lift-off with gear still down and 85 KIAS has been attained:

a.- If adequate runway remains,

THROTTLES **CLOSED**

LAND **IF AIRBORNE**

STOP **STRAIGHT AHEAD**

If runway remaining is inadequate for stopping, decide whether to abort or continue.

b.- If decision is made to continue,

HEADING	MAINTAIN
AIRSPEED	MAINTAIN
ESTABLISHING	A CLIMB
LANDING GEAR	RETRACT
ACCELERATE TO	89 KIAS (VYSE)
INOPERATIVE ENGINE	FEATHER

3. ENGINE FIRE IN FLIGHT:

Affected engine:

FUEL SELECTOR	OFF
THROTTLE	CLOSE
PROPELLER	FEATHER
MIXTURE	IDLE CUT-OFF
HEATER	OFF
DEFROSTER	OFF
IF TERRAIN PERMITS	LAND IMMEDIATELY

4. ENGINE FIRE ON GROUND:

a.- If engine has not started:

MIXTURE	IDLE CUT-OFF
THROTTLE	OPEN
STARTER	CRANK ENGINE

If engine has already started and is running, continue operating to try pulling the fire into the engine.

If fire continues, extinguish with best available means.

b.- If external fire extinguish is to be applied.

FUEL SELECTOR VALVES	OFF
MIXTURE	IDLE CUT-OFF

5. EMERGENCY DESCENT

THROTTLE	CLOSE
PROPELLER	FULL FORWARD
MIXTURE	AS REQUIRED FOR SMOOTH OPERATION
LANDING GEAR	EXTEND
AIRSPEED	129 KIAS

6. OPEN DOOR (ENTRY DOOR ONLY)

If both upper and side latches are open, the door will trail slightly open and airspeed will be reduced slightly.

SLOW AIRPLANE

BETWEEN 85 AND 94 KIAS

STORM WINDOWS

OPEN

IF UPPER LATCH IS OPEN

LATCH

IF SIDE LATCH IS OPEN

PULL ON ARMREST AND LATCH

IF BOTH LATCH ARE OPEN

LATCH SIDE LATCH

THEN UPPER LATCH

IF THE DOOR CANNOT BE CLOSED

FLY BELOW 107 KIAS AND ABOVE

85 KIAS