



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“PIPER SÉNECA PA-34-200T”
“HELIWORKS LTDA.”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va 4.750	136
Va 3.205	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	85
Vxse	78
Vyse	89
Vr	71
Vapp (Flap DN)	79
Max Cross Wind	17

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	128
Combustible Usable	123
Presión de Combustible (PSI)	
Mínima	3.5
Maxima	20.0

3.- Pesos (LBS)

Máximo TAKE-OFF	4.750
Máximo Baggaje FWD	100
Máximo Baggaje AFT	100

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	220
Máximas RPM	2.575
RPM estáticas (en tierra)	
Máximas	2.600
Mínimas	500
Cylinder Heat Temperatura (°F)	
Máximas	460
Mínimas	200
Exhaust Gas Temperatura (°F)	
Máximas	1.650
Mínimas	1.200
Temperatura de aceite (°F)	
Máxima	240
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Mínima	10

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	Prohibido
Escarpados	140

B.- Emergencies Procedures

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 (V_{YSE})
INOPERATIVE ENGINE	FEATHER

3. ENGINE FIRE IN FLIGHT:

a.- 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 reduce 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