



**“PIPER PA-34-20T SENECA II”**  
**CC-CVX**

**A.- LIMITACIONES DE OPERACIÓN**

**1.- Velocidades (MPH)**

Va	140
Vne	224
Vno	190
Vfe	125
Vle	150
Vlo extending	150
Vlo Retracting	125
Vmca	80
Vsse	90
Vs	76
Vso	70
Vy	105
Vyse	105
Vx	90
Vxse	93
Vr (Flap = 0°)	85
Vr (Flap = 25°)	70
Vapp (Flap DN)	95 – 90
Vapp (short landing)	87
Vapp (single engine)	105
Max Demo Cross Wind	20

**2.- Combustible (U.S. GAL)**

Tipo a emplear	100-130
Capacidad Total	98
Capacidad Utilizable	93

<b>Presión de Combustible (PSI)</b>	
Máxima	3.5
Mínima	20

**3.- Motor**

<b>Manifold Pressure (Inches Hg)</b>	
Mínimo	10
Máximo	40

<b>RPM</b>	
Máximas	2.575
Rango Normal	500 -2575
Rango prohibido sobre 32” MP	2.000 – 2.200
Min to feather	800

<b>Temperatura Aceite (°F)</b>	
Normal (Green)	75 - 240
Máx. (Red Line)	240

<b>Presión Aceite (PSI)</b>	
Mín. (Red Line)	10
Normal (Green)	30 - 80
Máx. (Red Line)	100

<b>Cylinder Head Temperature (°F)</b>	
Normal (Green)	360 – 460
Máx (Red Line)	460

<b>Exhaust Gas Temperature (°F)</b>	
Normal (Green)	1.200-1.650
Máx (Red Line)	1.650

**4.- Limitaciones de Maniobra**

Maniobra	MPH
Spin	PROHIBIDO
Virajes Escarpados	140

## B.- PROCEDIMIENTOS DE EMERGENCIA

### 1.- ENGINE FAILURE DURING TAKEOFF (below 85 mph):

If engine failure occurs during takeoff and 85 mph has not been attained:

**THROTTLES** **CLOSED**  
**STOP STRAIGHT AHEAD**

If inadequate runway remains to stop:

**THROTTLES** **CLOSED**  
**BRAKES** **MAXIMUM BRAKING**  
**BATTERY SWITCH** **OFF**  
**FUEL SELECTORS** **OFF**  
**CONTINUE** **STRAIGHT AHEAD, TURNING TO**  
**AVOID OBSTACLES AS**  
**NECESSARY**

### 2.- ENGINE FAILURE DURING TAKEOFF (85 mph or above):

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

#### a. If adequate runway remains:

**THROTTLES** **CLOSED**  
**IF AIRBORNE** **LAND**  
**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**  
**ESTABLISH** **A CLIMB**  
**LANDING GEAR** **RETRACT**  
**ACCELERATE TO VYSE** **105 MPH**  
**INOPERATIVE ENGINE** **IDENTIFY**  
**VERIFY**  
**FEATHER**

## 3.- ENGINE RESTART IN FLIGHT

MIXTURE	RICH
FUEL SELECTOR	CROSSFEED
MAGNETOS	SELECT LEFT OR RIGHT ONLY
ALTERNATE AIR	OPEN
AUX FUEL PUMP	HIGH

If power is not restored:

AUX FUEL PUMP	OFF
INOPERATIVE ENGINE	FEATHER AND SECURE

## 4.- ENGINE FIRE IN FLIGHT:

a.- Affected engine:

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

## 5.- 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

6.- EMERGENCY DESCENT

THROTTLE	<b>CLOSE</b>
PROPELLER	<b>FULL FORWARD</b>
MIXTURE	<b>AS REQUIRED FOR SMOOTH OPERATION</b>
LANDING GEAR	<b>EXTEND</b>
AIRSPED	<b>150 MPH</b>