



DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
SUBDEPARTAMENTO “LICENCIAS”

“PIPER SENECA PA34-200T”

“CC-PTT”

**A.- LIMITACIONES DE OPERACIÓN**

**1.- Limitaciones (Velocidades)**

	<b>KIAS</b>
Va 4570	<b>136</b>
Va 3068	<b>121</b>
Vne	<b>195</b>
Vno	<b>163</b>
Vfe	<b>107</b>
Vle	<b>129</b>
Vlo extending	<b>129</b>
Vlo retracting	<b>107</b>
Vmca	<b>66</b>
Vs	<b>63</b>
Vso	<b>61</b>
Vx	<b>76</b>
Vy	<b>89</b>
Vsse	<b>76</b>
Vxse	<b>78</b>
Vyse	<b>89</b>
Vr	<b>71</b>
Vapp(Flap DN)	<b>79</b>
Max Cross Wind	<b>17</b>

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

Tipo a Utilizar	<b>100/130</b>
Capacidad Total	<b>128</b>
Combustible Usable	<b>123</b>
<b>Presión de Combustible (PSI)</b>	
Mínima	<b>3.5</b>
Maxima	<b>20</b>

**3.- Pesos (LBS)**

Máximo TAKE-OFF	<b>4570</b>
Máximo Baggage FWD	<b>100</b>
Máximo Baggage AFT	<b>100</b>

**4.- Motor (Potencia Máxima Continua)**

<b>Limitaciones Operativas de Motor</b>	
Razón HP o BHP	<b>200</b>
Máximas RPM	<b>2575</b>
<b>RPM estáticas (en tierra)</b>	
Máximas	<b>2575</b>
Mínimas	<b>500</b>
<b>Cylinder Heat Temperatura (°F)</b>	
Máximas	<b>460</b>
Mínimas	<b>240</b>
<b>Exhaust Gas Temperatura (°F)</b>	
Máximas	<b>1650</b>
Mínimas	<b>1200</b>
<b>Temperatura de aceite (°F)</b>	
Máxima	<b>240</b>
Mínima	<b>75</b>
<b>Presión de aceite (PSI)</b>	
Máxima	<b>100</b>
Mínima	<b>10</b>

**5.- Límites de maniobras (Cat. Normal)**

<b>MANIOBRA</b>	<b>KIAS</b>
Spin (Flaps UP)	<b>Prohibido</b>
Escarpados	<b>136</b>

## **B.- PROCEDIMIENTOS DE EMERGENCIA**

### **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	<b>MAINTAIN</b>
AIRSPEED	<b>MAINTAIN</b>
ESTABLISHING	<b>A CLIMB</b>
LANDING GEAR	<b>RETRACT</b>
ACCELERATE TO	<b>89 KIAS (VYSE)</b>
INOPERATIVE ENGINE	<b>FEATHER</b>

**3. ENGINE FIRE IN FLIGHT:**

**a.- Affected engine:**

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

#### **4. ENGINE FIRE ON GROUND:**

**a.- If engine has not started:**

MIXTURE	<b>IDLE CUT-OFF</b>
THROTTLE	<b>OPEN</b>
STARTER	<b>CRANK ENGINE</b>

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	<b>OFF</b>
MIXTURE	<b>IDLE CUT-OFF</b>

#### **5. EMERGENCY DESCENT:**

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

## 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	<b>BETWEEN 85 AND 94 KIAS</b>
STORM WINDOWS	<b>OPEN</b>
IF UPPER LATCH IS OPEN	<b>LATCH</b>
IF SIDE LATCH IS OPEN	<b>PULL ON ARMREST AND LATCH</b>
IF BOTH LATCH ARE OPEN	<b>LATCH SIDE LATCH THEN UPPER LATCH</b>
IF THE DOOR CANNOT BE CLOSED	<b>FLY BELOW 107 KIAS AND ABOVE 85 KIAS</b>