



**DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
SUBDEPARTAMENTO “LICENCIAS”**

**“CESSNA C-152 (1981) CC-SOM”  
CLUB AEREO ALAS DEL DESIERTO**

**A.- Limitaciones de Operación**

**1.- Limitaciones (Velocidades)**

	<b>KIAS</b>
Va	<b>104</b>
Vne	<b>149</b>
Vno	<b>111</b>
Vfe	<b>85</b>
Vs	<b>40</b>
Vso	<b>35</b>
Vx	<b>55</b>
Vy	<b>67</b>
Vr	<b>50</b>
Vapp (Flap DN)	<b>60</b>
Vplaneo	<b>65</b>
Max Cross Wind	<b>12</b>

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

Tipo a Utilizar	<b>100 LL</b>
Capacidad Total	<b>26</b>
Capacidad Usable	<b>24.5</b>

**3.- Pesos (LBS)**

Máximo TAKE-OFF	<b>1.670</b>
Máximo Equipaje	<b>120</b>

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

<b>Limitaciones Operativas de Motor</b>	
Razón HP o BHP	<b>110</b>
Máximas RPM	<b>2.550</b>
<b>RPM estáticas</b>	
Máximas	<b>2.380</b>
Mínimas	<b>2.280</b>
<b>Temperatura de aceite (°F)</b>	
Máxima	<b>245</b>
Mínima	<b>100</b>
<b>Presión de aceite (PSI)</b>	
Máxima	<b>115</b>
Mínima	<b>25</b>

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

<b>MANIOBRA</b>	<b>KIAS</b>
Spin (Flaps UP)	<b>Slow Deceleration</b>
Escarpados	<b>95</b>
Ocho Flojo	<b>95</b>
Chandela	<b>95</b>

## **B.- Emergencies Procedures**

### **1.- ENGINE FAILURE DURING TAKEOFF RUN**

Throttle	<b>IDLE</b>
Brakes	<b>APPLY</b>
Wing Flaps	<b>RETRACT</b>
Mixture	<b>IDLE CUT-OFF</b>
Ignition Switch	<b>OFF</b>
Master Switch	<b>OFF</b>

### **2. - ENGINE FAILURE IMMEDIATELY AFTER TAKE OFF**

Airspeed	<b>60 KIAS</b>
Mixture	<b>IDLE CUT-OFF</b>
Fuel Shutoff Valves	<b>OFF</b>
Ignition Switch	<b>OFF</b>
Wing Flaps	<b>AS REQUIRED</b>
Master Switch	<b>OFF</b>

### **3. - ENGINE FAILURE DURING FLIGHT**

Airspeed	<b>60 KIAS</b>
Carburetor Heat	<b>ON</b>
Primer	<b>IN and LOCKED</b>
Fuel Shutoff Valve	<b>ON</b>
Mixture	<b>RICH</b>
Ignition Switch	<b>BOTH (OR START IF PROPELLER IS STOPPED)</b>

#### 4. – ENGINE FIRE DURING START ON GROUND

Cranking	<b>CONTINUE</b>
<b>a.- If engine start:</b>	
Power	<b>1700 RPM FOR A FEW MINUTES</b>
Engine	<b>SHUTDOWN AND INSPECT FOR DAMAGE</b>
<b>b.- If engine fails to start:</b>	
Cranking	<b>CONTINUE</b> in an effort to obtain a start
Fire Extinguisher	<b>OBTAIN</b>
Engine	<b>SECURE</b>
Master switch	<b>OFF</b>
Ignition switch	<b>OFF</b>
Fuel Shutoff valve	<b>OFF</b>
Fire	<b>EXTINGUISH</b> using fire extinguisher
Fire Damage	<b>INSPECT</b>

#### 5. - ENGINE FIRE IN FLIGHT

Mixture control	<b>IDLE CUT-OFF</b>
Fuel shutoff Valves	<b>OFF</b>
Master Switch	<b>OFF</b>
Cabin heat and Air	<b>OFF</b>
Airspeed	<b>85 KIAS</b>
Forced Landing	<b>EXECUTE</b>