



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-152”

(1972)

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

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

2.- Combustible (U.S. GAL)

| | |
|------------------------------|---------|
| Tipo a Utilizar | 100/130 |
| Capacidad Total | 26 |
| Combustible Usable | 24.5 |
| Presión de Combustible (PSI) | |
| Mínima | |
| Máxima | |

3.- Pesos (LBS)

| | |
|-----------------|-------|
| Máximo TAKE-OFF | 1.670 |
| Máximo Equipaje | 120 |

4.- Motor (Potencia Máxima Continua)

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

5.- Limites de maniobras (Cat. Normal)

| MANIOBRA | MPH |
|-----------------|-------------------|
| Spin (Flaps UP) | Show Deceleration |
| Escarpados | 95 |
| Ocho Flojo | 95 |
| Chandela | 95 |

B.- Emergency Procedure

1.- ENGINE POWER LOSS DURING TAKEOFF (Not Airborne)

| | |
|-----------------|--------------|
| Throttle | IDLE |
| Brakes | APPLY |
| Wing Flaps | RETRACT |
| Mixture | IDLE CUT-OFF |
| Ignition Switch | OFF |
| Master Switch | OFF |

2. - ENGINE POWER LOSS DURING TAKEOFF (if Airborne)

| | |
|--------------------|--------------|
| Airspeed | 60 KIAS |
| Mixture | Idle CUT-OFF |
| Fuel Shutoff Valve | OFF |
| Ignition switch | OFF |
| Wing Flaps | AS REQUIRED |
| Master switch | OFF |

3.- ENGINE FAILURE DURING FLIGHT

| | |
|--------------------|---------------|
| Airspeed | 60 KIAS |
| Carburetor Heat | ON |
| Primer | IN and LOCKED |
| Fuel Shutoff Valve | ON |
| Mixture | RICH |
| Ignition switch | BOTH |

4.- ENGINE FIRE DURING START ON GROUND

Cranking **CONTINUE**

a.- If engine start:

Power **1700 RPM FOR A FEW MINUTES**
Engine **SHUTDOWN AND INSPECT FOR DAMAGE**

b.- If engine fails to start:

Cranking **CONTINUE** in an effort to obtain a start
Fire Extinguisher **OBTAIN**
Engine **SECURE**
Master switch **OFF**
Ignition switch **OFF**
Fuel shutoff valve **OFF**
Fire **EXTINGUISH** using fire extinguisher
Fire Damage **INSPECT**

5.- ENGINE FIRE IN FLIGHT

Mixture control **IDLE CUT-OFF**
Fuel shutoff valve **OFF**
Master switch **OFF**
Cabin heat and Air **OFF**
Airspeed **85 KIAS**
Forced Landing **EXECUTE**