



DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
 “SUBDEPARTAMENTO “LICENCIAS”

**“CIRRUS SR22 TATI Turbonormalizado”**

**“CC-ABL”**

**A.- OPERATING LIMITATIONS**

**1.- Limitations (Speed) (KIAS)**

|                |              |
|----------------|--------------|
| Va             | <b>133</b>   |
| Vne            | <b>200</b>   |
| Vno            | <b>177</b>   |
| Vfe 50%        | <b>119</b>   |
| Vs             | <b>73</b>    |
| Vso            | <b>62</b>    |
| Vx (SL)        | <b>79</b>    |
| Vy (SL)        | <b>101</b>   |
| Vr             | <b>70-78</b> |
| Vapp (Flap DN) | <b>80-85</b> |
| Vglide         | <b>88</b>    |
| Max Cross Wind | <b>20</b>    |

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

|                            |                |
|----------------------------|----------------|
| Type to Use                | <b>100/130</b> |
| Total Capacity             | <b>94,5</b>    |
| Usable Capacity            | <b>92</b>      |
| <b>Fuel Pressure (PSI)</b> |                |
| Minumum                    | <b>0</b>       |
| Maximum                    | <b>14</b>      |

**3.- Weight (LBS)**

|                  |             |
|------------------|-------------|
| Maximum TAKE-OFF | <b>3400</b> |
| Maximum Baggage  | <b>130</b>  |

**4.- Engine (Maximum Continuous Power)**

|                                       |             |
|---------------------------------------|-------------|
| <b>Engine Operating Limitations</b>   |             |
| Reason HP o BHP                       | <b>310</b>  |
| Maximum RPM                           | <b>2700</b> |
| <b>Cylinder Head Temperature (°F)</b> |             |
| Maximum                               | <b>460</b>  |
| Minumum                               | <b>240</b>  |
| <b>Oil Temperature (°F)</b>           |             |
| Maximum                               | <b>240</b>  |
| Minumum                               | <b>75</b>   |
| <b>Oil Pressure (PSI)</b>             |             |
| Maximum                               | <b>100</b>  |
| Minumum                               | <b>10</b>   |

**5.- Maneuvering Limits (Normal Cat.)**

|                 |                   |
|-----------------|-------------------|
| Spin (Flaps UP) | <b>PROHIBITED</b> |
| Steep Turns     | <b>133</b>        |
| Lazy Eight      | <b>133</b>        |
| Chandelles      | <b>133</b>        |

## **B.- EMERGENCIES PROCEDURES**

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

|                           |                |
|---------------------------|----------------|
| Throttle Power Lever      | <b>IDLE</b>    |
| Fuel Pump                 | <b>OFF</b>     |
| Mixture                   | <b>CUT OFF</b> |
| Fuel Selector             | <b>OFF</b>     |
| Ignition Switch           | <b>OFF</b>     |
| Bat – Alt – Master Switch | <b>OFF</b>     |

### **2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

|                         |                             |
|-------------------------|-----------------------------|
| Airspeed                | <b>ESTABLISH BEST GLIDE</b> |
| Mixture                 | <b>CUT OFF</b>              |
| Fuel Selector           | <b>OFF</b>                  |
| Ignition Switch         | <b>OFF</b>                  |
| Flaps                   | <b>AS REQUIRED</b>          |
| <b>If Times Permits</b> |                             |
| Power Lever             | <b>IDLE</b>                 |
| Fuel Pump               | <b>OFF</b>                  |
| Bat Alt Master Switches | <b>OFF</b>                  |
| Seat Belts              | <b>ENSURE SECURED</b>       |

### 3.- ENGINE FAILURE DURING FLIGHT

|                         |                    |
|-------------------------|--------------------|
| Best Glide Speed        | <b>ESTABLISH</b>   |
| Mixture                 | <b>AS REQUIRED</b> |
| Fuel Selector           | <b>SWITCH TANK</b> |
| Fuel Pump               | <b>BOOST</b>       |
| Alternate Induction Air | <b>ON</b>          |
| Ignition Switch         | <b>CHECK BOTH</b>  |

### 4.- FIRE DURING START ON GROUND

|               |                |
|---------------|----------------|
| Mixture       | <b>CUT OFF</b> |
| Fuel Pump     | <b>OFF</b>     |
| Fuel Selector | <b>OFF</b>     |
| Power Lever   | <b>FORWARD</b> |
| Power Starter | <b>CRANK</b>   |

If flames persist, perform emergency engine shutdown on ground and emergency ground egress checklists.

## 5.- ENGINE FIRE IN FLIGHT

|                  |                            |
|------------------|----------------------------|
| Mixture          | <b>CUT OFF</b>             |
| Fuel Pump        | <b>OFF</b>                 |
| Fuel Selector    | <b>OFF</b>                 |
| Airflow selector | <b>OFF</b>                 |
| Power Lever      | <b>IDLE</b>                |
| Ignition Switch  | <b>OFF</b>                 |
| Cabin Doors      | <b>PARTIALLY OPEN</b>      |
| Land             | <b>AS SOON AS POSSIBLE</b> |