



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

**“BEECHCRAFT BARÓN 58TCA”**

**A.- Limitaciones de Operación**

**1.- Limitaciones (KIAS)**

|                   |            |
|-------------------|------------|
| Va below 23.000'  | <b>170</b> |
| Vne               | <b>235</b> |
| Vno               | <b>196</b> |
| Vfe (Approch 15°) | <b>177</b> |
| Vle               | <b>177</b> |
| Vmca              | <b>81</b>  |
| Vs                | <b>83</b>  |
| Vso               | <b>76</b>  |
| Vx                | <b>95</b>  |
| Vy                | <b>115</b> |
| Vsse              | <b>87</b>  |
| Vxse              | <b>102</b> |
| Vyse              | <b>115</b> |
| Emergency Descent | <b>177</b> |
| Vbalked landing   | <b>92</b>  |
| Vapp (Flap DN)    | <b>101</b> |
| Max Cross Wind    | <b>30</b>  |

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

|                              |                |
|------------------------------|----------------|
| Tipo a Utilizar              | <b>100/130</b> |
| Capacidad Total              | <b>172/196</b> |
| Combustible Usable           | <b>166/190</b> |
| Presión de Combustible (PSI) |                |
| Máxima                       |                |
| Mínima                       |                |

**3.- Pesos (LBS)**

|                          |                |
|--------------------------|----------------|
| Máximo TAKE-OFF          | <b>5.995</b>   |
| Máximo Baggaje NOSE      | <b>350</b>     |
| Máximo Baggaje AFT + EXT | <b>120+600</b> |

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

|                                      |              |
|--------------------------------------|--------------|
| Limitaciones Operativas de Motor     |              |
| Razón HP o BHP                       | <b>325</b>   |
| Máximas RPM                          | <b>2.700</b> |
| Temperatura Cabeza de Cilindros (°C) |              |
| Máxima                               | <b>238</b>   |
| Mínima                               | <b>116</b>   |
| Temperatura de aceite (°C)           |              |
| Máxima                               | <b>116</b>   |
| Mínima                               | <b>24</b>    |
| Presión de aceite (PSI)              |              |
| Máxima                               | <b>100</b>   |
| Mínima                               | <b>10</b>    |

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

|                           |             |
|---------------------------|-------------|
| Máxima Deslizada (Tiempo) | <b>30''</b> |
| Escarpados                | <b>170</b>  |

## **B.- Emergencies Procedures**

### **1. ENGINE FAILURE DURING GROUND ROLL**

|                          |                |
|--------------------------|----------------|
| Throttle                 | <b>CLOSED</b>  |
| Braking                  | <b>MAXIMUM</b> |
| Fuel Selector Valves     | <b>OFF</b>     |
| Battery                  | <b>OFF</b>     |
| Generator / Alternator   | <b>OFF</b>     |
| Magneto / Start Switches | <b>OFF</b>     |

### **2. ENGINE FAILURE AFTER LIFT-OFF AND IN FLIGHT**

|                          |   |
|--------------------------|---|
| Landing Gear and Flaps   | <b>UP</b>                                   |
| Throttle (Inop. Engine)  | <b>CLOSED</b>                               |
| Propeller (Inop. Engine) | <b>FEATHER</b>                              |
| Power (Oper. Engine)     | <b>AS REQUIRED</b>                          |
| Airspeed                 | <b>AT OR ABOVE THE 50 FT TAKE-OFF SPEED</b> |

After positive control of the airplane is established:

Secure Inoperative Engine:

|                      |                     |
|----------------------|---------------------|
| Mixture Control      | <b>IDLE CUT-OFF</b> |
| Fuel Selector        | <b>OFF</b>          |
| Fuel Boost Pump      | <b>OFF</b>          |
| Magneto/Start Switch | <b>OFF</b>          |
| Alternator Switch    | <b>OFF</b>          |
| Cowl Flap            | <b>CLOSED</b>       |

### 3. ENGINE FIRE ON THE GROUND

|                                 |                        |
|---------------------------------|------------------------|
| Mixture Controls                | IDLE CUT-OFF           |
| Continue                        | TO CRANK AFFECT ENGINE |
| Fuel Selector                   | OFF                    |
| Throttle                        | FULL OPEN              |
| Battery and Alternator Switches | OFF                    |
| Air Condition Switch            | OFF                    |
| Shut Down                       | OTHER ENGINE           |
| Extinguish                      | WITH FIRE EXTINGUISHER |

### 4. ENGINE FIRE IN FLIGHT

|                      |              |
|----------------------|--------------|
| Fuel Selector        | OFF          |
| Mixture Controls     | IDLE CUT-OFF |
| Propeller            | FEATHERED    |
| Fuel Boost Pump      | OFF          |
| Magneto/Start Switch | OFF          |
| Alternator Switch    | OFF          |
| Oxygen               | AS REQUIRED  |
| Air Condition Switch | OFF          |

### 5. EMERGENCY DESCENT

|              |                                |
|--------------|--------------------------------|
| Throttles    | CLOSED                         |
| Propellers   | 2.700 RPM                      |
| Airspeed     | 162 KIAS (above 21.000')       |
|              | 177 KIAS (at or above 21.000') |
| Landing Gear | DOWN                           |
| Flaps        | APPROACH (15°)                 |