



DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
SUBDEPARTAMENTO “LICENCIAS”

**“BEECHCRAFT BARÓN E-55”**  
**“CONVERSIÓN FOX STAR”**

NOMBRE : \_\_\_\_\_ FIRMA: \_\_\_\_\_

FECHA : \_\_\_\_\_

**A.- Limitaciones de Operación**

**1.- Limitaciones (Velocidades)**

|                    | KIAS |
|--------------------|------|
| Va                 | 146  |
| Vne                | 224  |
| Vno                | 195  |
| Vfe (Approach 15°) | 122  |
| Vle                | 153  |
| Vmca               | 87   |
| Vs                 | 85   |
| Vso                | 65   |
| Vx                 | 84   |
| Vy                 | 99   |
| Vsse               | 87   |
| Vxse               | 87   |
| Vyse               | 99   |
| Emergency descent  | 153  |
| Vbalked landing    | 87   |
| Vapp (Flap DN)     | 90   |
| Max Cross Wind     | 15   |

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

|                              |         |
|------------------------------|---------|
| Tipo a Utilizar              | 100/130 |
| Capacidad Total              | 172     |
| Capacidad Usable             | 166     |
| Presión de Combustible (PSI) |         |
| Máxima                       | 17.5    |
| Mínima                       | 1.5     |

**3.- Pesos (LBS)**

|                         |      |
|-------------------------|------|
| Máximo TAKE-OFF         | 5300 |
| Máximo Baggage FWD      | 300  |
| Máximo Baggage AFT+ EXT | 120  |

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

| Limitaciones operativas de Motor     |      |
|--------------------------------------|------|
| Razón HP o BHP                       | 300  |
| Máximas RPM                          | 2700 |
| Temperatura Cabeza de Cilindros (°F) |      |
| Máxima                               | 460  |
| Mínima                               | 200  |
| Temperatura de Aceite (°F)           |      |
| Máxima                               | 225  |
| Mínima                               | 75   |
| Presión de Aceite (PSI)              |      |
| Máxima                               | 100  |
| Mínima                               | 40   |

**5.- Límites de Maniobras**

| MANIOBRA        | MPH/KIAS   |
|-----------------|------------|
| Spin (Flaps UP) | PROHIBITED |
| Escarpados      | 157        |

## **B.- Emergencies Procedures**

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

|          |                |
|----------|----------------|
| Throttle | <b>CLOSED</b>  |
| Braking  | <b>MAXIMUM</b> |

If insufficient runway remains for stopping:

|                         |            |
|-------------------------|------------|
| 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>MAINTAIN SPEED AND ENGINE FAILURE (100 KIAS MAX) UNTIL OBSTACLES ARE CLEARED</b> |

After positive control of the airplane is established:

Secure Inoperative Engine:

|                       |                     |
|-----------------------|---------------------|
| Mixture Control       | <b>IDLE CUT OFF</b> |
| Fuel Selector         | <b>OFF</b>          |
| Auxiliary fuel 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                         | OFF                      |
| Continue                                 | TO CRANK AFFECTED ENGINE |
| Fuel Selector Valve                      | OFF                      |
| Battery and Generator/ Alternator Switch | OFF                      |
| Fire Extinguish                          | WITH FIRE EXTINGUISHER   |

### 4. - ENGINE FIRE IN FLIGHT

|                              |           |
|------------------------------|-----------|
| Fuel Selector Valves         | OFF       |
| Mixture Controls             | OFF       |
| Propeller                    | FEATHERED |
| Aux. Fuel Pump               | OFF       |
| Magneto / Start Switch       | OFF       |
| Generator/ Alternator Switch | OFF       |

### 5. – EMERGENCY DESCENT

|              |          |
|--------------|----------|
| Propellers   | 2625 RPM |
| Throttles    | CLOSED   |
| Airspeed     | 153 Kias |
| Landing Gear | DOWN     |
| Flaps        | UP       |