



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

**“BEECHCRAFT BARÓN 58”**  
**CLUB AÉREO DE SANTIAGO**

**A.- Limitaciones de Operación**

**1.- Limitaciones (KIAS)**

Va	156
Vne	223
Vno	195
Vfe (Approch 15°)	152
Vfe (Approch 30°)	122
Vle	152
Vmca	84
Vs	84
Vso	74
Vx	92
Vy	105
Vsse	88
Vxse	95
Vyse	100
Vz	136
Vtake-off	85
Emergency Descent	152
Vbalked landing	95
Vapp (Flap DN 30°)	95
Vapp (Flap DN 15°)	107
Vglide	115
Vice	130
Max Cross Wind	22

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

Tipo a Utilizar	100/130
Capacidad Total	200
Combustible Usable	194
Presión de Combustible (PSI)	
Máxima	17.5
Mínima	1.5

**3.- Pesos (LBS)**

Máximo TAKE-OFF	5.500
Máximo Ramp	5.524
Máximo Landing	5.400
Máximo Baggaje NOSE	300
Máximo Baggaje AFT + EXT	520

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

Limitaciones Operativas de Motor	
Razón HP o BHP	300
Máximas RPM	2.700
Temperatura Cabeza de Cilindros (°C)	
Máxima	238
Mínima	116
Temperatura de aceite (°C)	
Máxima	116
Mínima	24
Presión de aceite (PSI)	
Máxima	100
Mínima	10

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

Máxima Deslizada (Tiempo)	30’’
Escarposos	156

## **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 AT 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>
Electrical Load	<b>Monitor</b>

### 3. ENGINE FIRE ON THE GROUND

Mixture Controls	IDLE CUT-OFF
Continue	TO CRANK AFFECT ENGINE
Fuel Selector Valves	OFF
Battery and Generator/Alternator Switch	OFF
Extinguish	WITH FIRE EXTINGUISHER

### 4. ENGINE FIRE IN FLIGHT

Fuel Selector Valves	OFF
Mixture Controls	IDLE CUT-OFF
Propeller	FEATHERED
Aux Fuel Pump	OFF
Magneto/Start Switch	OFF
Alternator Switch	OFF

### 5. EMERGENCY DESCENT

Propellers	2.700 RPM
Throttles	CLOSED
Airspeed	152 KIAS
Landing Gear	DOWN
Flaps	APPROACH (15°)