



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

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

**A.- Limitaciones de Operación**

**1.- Limitaciones (KIAS)**

Va	156
Vne	223
Vno	195
Vfe (Approch 15°)	152
Vle	152
Vmca	81
Vs	84
Vso	74
Vx	86
Vy	104
Vsse	86
Vxse	96
Vyse	100
Emergency Descent	152
Vbalked landing	95
Vapp (Flap DN)	122
Max Cross Wind	22

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

Tipo a Utilizar	100/130
Capacidad Total	142/172
Combustible Usable	136/166
Presión de Combustible (PSI)	
Máxima	17.5
Mínima	1.5

**3.- Pesos (LBS)**

Máximo TAKE-OFF	4.990
Máximo Baggaje NOSE	300
Máximo Baggaje AFT + EXT	520

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

Limitaciones Operativas de Motor	
Razón HP o BHP	285
Máximas RPM	2.700
Temperatura Cabeza de Cilindros (°F)	
Máxima	460
Mínima	200
Temperatura de aceite (°F)	
Máxima	240
Mínima	75
Presión de aceite (PSI)	
Máxima	100
Mínima	30

**5.- Límites de Maniobras (Cat.)**

Máxima Deslizada (Tiempo)	30’’
Escarpados	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>

### 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°)