



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

**“BEEHCRAFT BARÓN 58PA”**

**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>300</b>
Máximo Baggaje AFT + MAIN	<b>120+400</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>
Cabin Press Air Shutoff Control	<b>PULL 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/Press Air Cond Switch	OFF
Cabin Press Air Shutoff Control	PULL CLOSED
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/Press Air Cond 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°)
Oxygen	AS REQUIRED