



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“BEEHCRAFT BARÓN A-55”

A.- Limitaciones de Operación

1.- Limitaciones (KIAS)

Va	157
Vne	224
Vno	183
Vfe (Full DN)	113
Vle	143
Vmca	78
Vs	78
Vso	66
Vx	84
Vy	101
Vsse	84
Vxse	91
Vyse	100
Emergency Descent	143
Vbalked landing	88
Vapp (Flap DN)	88
Max Cross Wind	22

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	112/142
Combustible Usable	106/136
Presión de Combustible (PSI)	
Máxima	17,5
Mínima	1,5

3.- Pesos (LBS)

Máximo TAKE-OFF	4.880
Máximo Baggaje FWD	270
Máximo Baggaje AFT + EXT	400+120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	260
Máximas RPM	2.625
Temperatura Cabeza de Cilindros (°F)	
Máxima	460
Mínima	200
Temperatura de aceite (°F)	
Máxima	225
Mínima	75
Presión de aceite (PSI)	
Máxima	80
Mínima	30

5.- Limites de Maniobras (Cat.)

Spin (Flaps UP)	PROHIBIT
Escarpados	157

B.- Emergencies Procedures

1. ENGINE FAILURE DURING TAKEOFF

Throttle	CLOSED
Braking	MAXIMUM

If insufficient runway remains for stopping:

Fuel Selector Valves	OFF
Battery	OFF
Generator / Alternator	OFF
Magneto / Start Switches	OFF

2. ENGINE FAILURE AFTER LIFT-OFF AND IN FLIGHT

Landing Gear and Flaps	UP
Throttle (Inop. Engine)	CLOSED
Propeller (Inop. Engine)	FEATHER
Power (Oper. Engine)	AS REQUIRED
Airspeed	MAINTAIN SPEED AT ENGINE FAILURE (100 KIAS MAX.) UNTIL OBSTACLES ARE CLEARED

After positive control of the airplane is established:

Secure Inoperative Engine:

Mixture Control	IDLE CUT-OFF
Fuel Selector	OFF
Fuel Boost Pump	OFF
Magneto/Start Switch	OFF
Generator Switch	OFF
Cowl Flap	CLOSED

3. ENGINE FIRE ON THE GROUND

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

4. ENGINE FIRE IN FLIGHT

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

5. EMERGENCY DESCENT

Propellers	2.625 RPM
Throttles	CLOSED
Airspeed	143 KIAS
Landing Gear	DOWN
Flaps	UP