



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“BEEHCRAFT BARÓN B-55”
“EMPRESA AÉREA DON CARLOS”

A.- Limitaciones de Operación

1.- Limitaciones (KIAS)

Va	156
Vne	223
Vno	195
Vfe (FULL DN 30°)	122
Vle	152
Vmca	75
Vs	71
Vso	62
Vx	86
Vy	101
Vsse	84
Vxse	96
Vyse	99
Emergency Descent	153
Vbalked landing	120
Vapp (Flap DN)	88
Max Cross Wind	22

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	172
Combustible Usable	166
Presión de Combustible (PSI)	
Máxima	17,5
Mínima	1,5

3.- Pesos (LBS)

Máximo TAKE-OFF	5.300
Máximo Baggaje FWD	300
Máximo Baggaje AFT + EXT	400

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.)

Spin (Flaps UP)	PROHIBIT
Escarpados	156

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 (99 KIAS MAX.) UNTIL OBSTACLES ARE CLEARED

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
Generator/Alternator Switch	OFF

5. EMERGENCY DESCENT

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