



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“BEECHCRAFT KING AIR E-90”

A.- Limitaciones de Operación

1.- Limitaciones de Velocidad	
	KCAS
Va	175
Vb	176
Vne	226
Vmo	226
Vfe 35%	174
Vfo	140
Vle	156
Vlo	156-146
Vmca 10°	88
Vs	88
Vso	76
Vx	102
Vy	112
Vxse	99
Vyse	110
Vloff	97
Vapp (Full Flaps)	140
Max Cross Wind	25

2.- Combustible (U.S. GAL)

Tipo a Utilizar	JP-1
Principales Usable	392
Auxiliares Usable	82

3.- Pesos (LBS)

Máximo TAKE-OFF	10.100
Baggage FWD	350
Baggage AFT	350

4.- Starter Limitations

40	Seconds	ON	60	Seconds	OFF
40	Seconds	ON	60	Seconds	OFF
40	Seconds	ON	30	Minutes	OFF

5.- Cruise Clima (KIAS)

SL – 10.000 ft	150
10.000 – 20.000 ft	130
20.000 – 25.000 ft	120
25.000 – 31.000 ft	110

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKE-OFF

a. - Below Take-off Speed:

Power	IDLE
Brakes	AS REQUIRED

If Insufficient Runway remains for stopping:

Condition Lever	CUT-OFF
Fuel Firewall Valves	CLOSED
Electrical Power	OFF

b. - If aircraft is airborne and conditions preclude an immediate landing:

Power	TAKE OFF
Propeller RPM	HIGH RPM
Airspeed	MAINTAIN
Landing Gear	UP
Confirm	INOPERATIVE ENGINE
Propeller Lever (Inoperative Engine)	FEATHERED
Airspeed	BEST RATE OD CLIMB SPEED
Clean UP (inoperative engine)	EXECUTE

2. - ENGINE FAILURE OR FIRE IN FLIGHT

a. - Affected Engine:

Power lever	IDLE
Propeller lever	FEATHER
Condition lever	CUT-OFF
Fuel Firewall Valve	CLOSED
Pressurization Bleed Air Valve	AS REQUIRED
Fire Extinguisher	ACTUATE (if installed)
Clean UP (inoperative engine)	EXECUTE

3. - ENGINE FLAME OUT (2ND Engine)

Power lever	IDLE
Propeller	DO NOT FEATHER
Condition lever	CUT-OFF
Conduct	AIR START PROCEDURES

4. - ENGINE FAILURE IN FLIGHT BELOW V_{MCA}

Reduce Power	OPERATIVE ENGINE AS REQUIRED TO MAINTAIN CONTROL
Lower Nose	TO ACCELERATE ABOVE V_{MCA}
Power	AS REQUIRED
Power lever	IDLE (INOPERATIVE ENGINE)
Propeller	FEATHER
Clean UP (inoperative engine)	EXECUTE

5. - ENGINE FIRE ON GROUND

a. - Affected Engine:

Condition lever	CUT-OFF
Fuel Firewall Valve	CLOSED
Starter Switch	STARTER ONLY
Fire Extinguisher	ACTUATE (if installed)

6. – EMERGENCY DESCENT PROCEDURE

Power levers	IDLE
Propeller levers	HIGH RPM
Wing Flaps	APPROACH
Landing Gear	EXTEND
Airspeed	159 KIAS, MAXIMUM