



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“BEECHCRAFT KING AIR A-100”
AEROVIAS DAP

A.- Limitaciones de Operación

1.- Limitaciones de Velocidad	
	KCAS
Va	170
Vb	170
Vmo	226
Vfe 10°	182
Vfo	73 – 140
Vle	156
Vlo	130 – 156
Vmca 10°	81
Vx	100
Vy	120
Vxse	106
Vyse	116
Vapp (Full Flaps)	95
Max Cross Wind	25

2.- Combustible (U.S. GAL)

Tipo a Utilizar	JET A-JET A1-JET B
Capacidad Total	374

3.- Pesos (LBS)

Máximo TAKE-OFF	10.600
Baggage AFT	410

4.- Starter Limitations

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

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKE-OFF

a. - Below Take-off Speed:

Power	IDLE
Brakes	AS REQUIRED
Operative Engine	MAXIMUM REVERSE

If Insufficient Runway remains for stopping:

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

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

Power	MAXIMUM ALLOWABLE
Propeller RPM	FULL INCREASE
Airspeed	MAINTAIN
Landing Gear	UP
Confirm	INOPERATIVE ENGINE
Propeller (Inoperative Engine)	FEATHERED
Airspeed	BEST ANGLE OF CLIMB SPEED
Flaps	UP
Airspeed	BEST RATE OF CLIMB SPEED

2. - ENGINE FAILURE OR FIRE IN FLIGHT

a. - Affected Engine:

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

3. - ENGINE FLAME OUT (2ND Engine)

a. - Affected 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
Condition lever	CUT-OFF

5. - ENGINE FIRE ON GROUND

a.- Affected Engine:

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

6. - EMERGENCY DESCENT PROCEDURE

Power lever	IDLE
Propeller	FULL INCREASE RPM
Wing Flaps	APPROACH
Landing Gear	EXTEND
Airspeed	156 KNOTS, MAXIMUM