



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“BEECHCRAFT SUPER KING AIR F-90”

A.- Limitaciones de Operación

1.- Limitaciones (KIAS)

Va	171
Vmo	253
Vfe Approach 32,5%	184
Vfe Full Down 100%	144
Vle / Vlo (extensión)	184
Vlo (retraction)	166
Vmca	87
Vs	96
Vso	80
Vx	90
Vy	117
Vxse	112
Vyse	117
Vsse	102
Vapp (Full Flaps)	108
Max Cross Wind	25

2.- Combustible (U.S. GAL)

Tipo a Utilizar	JET A-1
Main Fuel System	388
Auxiliary Fuel System	82
Max Usable Fuel Quantity	470

3.- Pesos (LBS)

Máximo TAKE-OFF	10.950
Máximo LANDING	10.950
MAX ZFW	9.600
MAX Bagaje Compartment	403

4.- Starter Limitations

40	SEC	ON	60	SEC	OFF
40	SEC	ON	60	SEC	OFF
40	SEC	ON	30	MIN	OFF

B.- Emergencies Procedures

1.- EMERGENCY ENGINE SHUTDOWN

a.- Affected engine:

Condition lever	CUT-OFF
Propeller Lever	FEATHER
Firewall Fuel Valve	CLOSED
Fire Extinguisher	ACTUATE IF REQUIRED

2.- SECOND ENGINE FLAMEOUT

Power levers	IDLE
Propeller	DO NOT FEATHER
Condition lever	CUT-OFF
Airstart	CONDUCT

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

Power (Op. Engine)	REDUCE TO MAINTAIN CONTROL
Nose	LOWER TO ACCELERATE ABOVE MINIMUM CONTROL SPEED
Airspeed	ACCELERATE ABOVE V_{MCA}

4.- ENGINE FAILURE DURING GROUND ROLL

Power Levers	IDLE
Brake	AS REQUIRED
Operative Engine	REVERSE (Max consisted with directional control)

a.- If insufficient runway remains for stopping:

Condition lever	CUT-OFF
Firewall Fuel Valve	CLOSED
Master Switch	OFF (Gang bar down)

5.- ENGINE FAILURE AFTER LIFTOFF

a.- If conditions preclude an immediate landing:

Power	MAXIMUM ALLOWABLE
Airspeed	MAINTAIN (Takeoff speed or above)
Gear	UP
Propeller (Inoperative Engine)	CONFIRM AUTO-FEATHER OR FEATHER

b.- At obstacle Clearance:

Airspeed	V_2 (AFTER OBSTACLE CLEARED, V_{YSE})
Flaps	UP

6.- GLIDE (BOTH ENGINES INOPERATIVE)

Propellers	FEATHERED
Airspeed	135 KNOTS

7.- ONE ENGINE INOPERATIVE GO-AROUND

Power	MAXIMUM ALLOWABLE
Flaps	UP
Landing Gear	UP
Airspeed	112 KIAS UNTIL CLEAR OF OBSTACLES; THEN 117 KIAS

8.- ENGINE FIRE IN FLIGHT

a.- If visual indication of fire:

Engine Shutdown Checklist	ACCOMPLISH
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b.- If fire persists:

Emergency Descent	ACCOMPLISH
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9.- ENGINE FIRE ON GROUND

a.- Affected engine:

Condition Lever	CUT-OFF
Fuel Firewall Valve	CLOSED
Startes Switch	STARTER ONLY
Fire Extinguisher	ACTUATE (as required)

10.- ENVIRONMENTAL SMOKE AND FUME

Oxygen Control Handle	PULL ON (VERIFY)
Masks	PLUG IN/DON/100%
Mic Selector	OXYGEN MASK
Passenger manual O'Ride	PULL ON
Passenger Oxygen	PULL LANYARD PIN, DON MASK

11.- ELECTRICAL SMOKE OR FIRE

Oxygen Control Handle	PULL ON (VERIFY)
Masks	PLUG IN/DON/100%
Mic Selector	OXYGEN MASK
Passenger manual O'Ride	PULL ON
Passenger Oxygen	PULL LANYARD PIN, DON MASK

12.- INVERTED INOPERATIVE

Other Inverter	SELECT
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13.- UNSCHEDULED ELECTRIC ELEVATOR TRIM

Aircraft Attitude	MAINTAIN WITH ELEVATOR CONTROL
Control Wheel Disconnect Switch	DEPRESS FULLY

14.- SPIN

Control Column	FULL FORWARD
Full Rudder	OPPOSITE DIRECTION OF SPIN
Power Levers	IDLE
The action above should be accomplished as nearly simultaneously as possible	
Control Position	HOLD UNTIL ROTATION STOPS
Controls	NEUTRALIZE
Pullout	EXECUTE WITH AILERONS NEUTRAL

15.- LOSS OF PRESSURIZATION

Oxygen System Ready	PULL ON
Crew Masks	DON
Mic Selector	OXYGEN MASK
Passenger Manual Drop	PULL ON
Passenger Oxygen	ENSURE LANYARD PULLED/MASKS DONNED
Descend as required	

16.- EMERGENCY DESCENT

Power Levers	IDLE
Propeller Levers	FULL FORWARD
Flaps	APPROACH
Landing Gear	DOWN
Airspeed	184 KIAS MAX