



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-150”

“CLUB PLANEADORES VITACURA”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	MPH
Va	109
Vne	162
Vno	120
Vfe	100
Vs	55
Vso	48
Vx	57-60
Vy	73-65
Vr	50
Vapp (Flap DN)	60-70
Vplaneo	65-75
Max Cross Wind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	26
Combustible Usable	22.5
Presión de Combustible (PSI)	
Mínima	Red line
Máxima	Red line

3.- Pesos (LBS)

Máximo TAKE-OFF	1.600
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	100
Máximas RPM	2.750
RPM estáticas	
Máximas	2.550
Mínimas	2.000
Temperatura de aceite (°F)	
Máxima	225
Mínima	Red line o 40
Presión de aceite (PSI)	
Máxima	100
Mínima	10

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	MPH
Spin (Flaps UP)	Show Deceleration
Escarpados	109
Ocho Flojo	109
Chandela	109

B.- Emergency Procedure

1.- ENGINE POWER LOSS DURING TAKEOFF (Not Airborne)

a.- Sufficient runway remaining:

Throttle	CLOSE IMMEDIATELY
Brakes	APPLY AS REQUIRED
Stop	STRAIGHT AHEAD

b.- Insufficient runway remaining:

Throttle	CLOSE IMMEDIATELY
Brakes	APPLY AS REQUIRED
Mixture	IDLE CUT-OFF
Fuel selector	OFF
Master switch	OFF
Magnetos	OFF
Directional Control	MAINTAIN - MANEUVER TO AVOID OBSTACLES.

2. - ENGINE POWER LOSS DURING TAKEOFF (if Airborne)

a.- Sufficient runway remaining:

Airspeed	MAINTAIN ABOVE STALL
Directional control	MAINTAIN
Land	STRAIGHT AHEAD

b.- Insufficient runway remaining:

Airspeed	MAINTAIN ABOVE STALL
Throttle	CLOSE
Mixture	IDLE CUT-OFF
Fuel selector	OFF
Master switch	OFF
Magnetos	OFF
Flaps	AS SITUATION REQUIRES
Directional Control	MAINTAIN – MAKE ONLY SHALLOW TURNS TO AVOID OBSTACLES.

3. ENGINE FAILURE IN FLIGHT

Speed	65 - 70 MPH
Fuel selector	BOTH
Mixture	FULL RICH
Primer	SECURE
Magnetos	CHECK

4. ENGINE FIRE DURING START ON GROUND

Starter	CONTINUE CRANKING
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a.- If the start is successful:

Engine	1700 RPM FOR A FEW MINUTES
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Before shutting it down to inspect damage.

b.- If engine start is successful,

Continue	CRANKING FOR TWO OR THREE MINUTES
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When ready to extinguish fire,

Release	STARTER
Master switch	OFF
Ignition switch	OFF
Fuel shutoff valve	OFF

5. ENGINE FIRE IN FLIGHT

Mixture control	IDLE CUT-OFF
Fuel shutoff valve	OFF
Master switch	OFF
Establish a glide	65-75 MPH
Cabin heat control	CLOSE
Select a field	FORCED LANDING