



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-172” (1956) CC- CKU
CLUB AEREO ALAS DEL DESIERTO

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	MPH
Va	115
Vne	160
Vno	140
Vfe 10°	100
Vs	58
Vso	52
Vx	60
Vy	72
Vr	60
Vapp (Flap DN)	65-75
Vplaneo	75
Max Cross Wind	20

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100 LL
Capacidad Total	37
Capacidad Usable	35
3.- Pesos (LBS)	
Mínima TAKE-OFF	2.200
Máxima Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	145
Máximas RPM	2.700
RPM estáticas	
Máximas	2.450
Mínimas	2.200
Temperatura de aceite (°F)	
Máxima	Red Line
Mínima	Green Line
Presión de aceite (PSI)	
Máxima	50
Mínima	5

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	MPH
Spin (Flaps UP)	SLOW DECELERATION
Escarpados	115
Ocho Flojo	115
Chandela	115

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKE OFF

Airspeed	75 MPH
Mixture	IDLE CUT-OFF
Fuel Shutoff Valves	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	75 MPH
Carburetor Heat	ON
Primer	IN and LOCKED
Fuel Shutoff Valve	ON
Mixture	RICH
Ignition Switch	BOTH (OR START IF PROPELLER IS STOPPED)

4. – ENGINE FIRE DURING START ON GROUND

Cranking	CONTINUE
a.- If engine start:	
Power	1700 RPM FOR A FEW MINUTES
Engine	SHUTDOWN AND INSPECT FOR DAMAGE
b.- If engine fails to start:	
Cranking	CONTINUE in an effort to obtain a start
Fire Extinguisher	OBTAIN
Engine	SECURE
Master switch	OFF
Ignition switch	OFF
Fuel Shutoff valve	OFF
Fire	EXTINGUISH using fire extinguisher
Fire Damage	INSPECT

5. - ENGINE FIRE IN FLIGHT

Mixture control	IDLE CUT-OFF
Fuel shutoff Valves	OFF
Master Switch	OFF
Cabin heat and Air	OFF
Airspeed	100 MPH
Forced Landing	EXECUTE