



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS” SECCIÓN
EVALUACIONES

“CESSNA C-172M
CC-AMU”
“AEROSERVICIOS TOQUI
LTDA”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KTS
Va	105
Vne	158
Vno	127
Vfe	85
Vs	50
Vso	41
Vx	59
Vy	73
Vr	54
Vapp (Flap DN)	55 - 65
Vplaneo	65
Max Cross Wind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100 L/L
Capacidad Total	52
Capacidad Usable	48

3.- Pesos (LBS)

Máximo TAKE-OFF	2.550
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	180
Máximas RPM	2.700
RPM estáticas	
Máximas	2.420
Mínimas	2.300
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	95
Mínima	55

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	KTS
Spin (Flaps UP)	SLOW DECELERATION
Escarpados	95
Ocho Flojo	105
Chandela	105

B.- Emergencies Procedures

1.- ENGINE FAILURE DURING TAKEOFF RUN

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

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	65 KTS (FLAPS UP) 60 KTS (FLAPS DN)
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	65 KTS
Carburetor Heat	ON
Fuel Selector Valve	BOTH
Mixture	RICH
Ignition Switch	BOTH (or START if propeller is stopped)
Primer	IN and LOCKED

4. - FIRE DURING START ON GROUND

Cranking	CONTINUE , to get a start, which would suck the flames and accumulated fuel through the carburetor and into the engine.
If engine starts:	
Power	1700 RPM for a few minutes.
Engine	SHUTDOWN and inspect for damage.
If engine fails to start:	
Throttle	FULL OPEN
Mixture	IDLE CUT-OFF
Cranking	CONTINUE
Fire Extinguisher	OBTAIN (have ground attendants obtain if not installed)
Engine	SECURE
a. Master switch	OFF
b. Ignition switch	OFF
c. Fuel selector valve	OFF
Fire	EXTINGUISH using fire extinguisher, wool blanket or dirt.
Fire Damage	INSPECT repair damage or replace damaged components or wiring before conducting another flight.

5. - ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF (except overhead vent)
Airspeed	100 KTS (if fire is not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture).
Forced Landing	EXECUTE (as described in Emergency Landing without Engine Power).