



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-172P”
“AEROMET”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KTS
Va	99
Vne	158
Vno	127
Vfe	85
Vs	44
Vso	33
Vx	56
Vy	76
Vr	55
Vapp (Flap DN)	60-70
Vplaneo	65
Max Crosswind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	54
Capacidad Usable	50

3.- Pesos (LBS)

Máximo TAKE-OFF	2.400
Máximo Equipaje	120

4.- Motor

Limitaciones Operativas de Motor	
Razón HP o BHP	160
Máximas RPM	2.700
RPM estáticas	
Máximas	2.420
Mínimas	2.300
Temperatura de aceite (°F)	
Máxima	245
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Límites de maniobras (Cat. Utilitaria)

MANIOBRA	
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 CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	65 KIAS (FLAPS UP) 60 KIAS (FLAPS DOWN)
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 KIAS
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:	1.700 RPM for a few minutes.
Power	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 damage components or wiring before conducting another flight.

5. - ENGINE FIRE IN FLIGHT

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